

20000627.qrp v01_n865.qrl.20000627

Date: Tue, 27 Jun 2000 19:03:06 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1865

QRP-L Digest 1865

Topics covered in this issue include:

- 1) [73496] Re: Name here is 606
by Wb8siw@aol.com
- 2) [73497] emai addresses
by Anthony Felino <anthony@pacinfosb.com>
- 3) [73498] Re: Rich Man's Hobby?
by George F Franklin <w0av@juno.com>
- 4) [73499] Re: Another Fieldday Observation
by S LYON <sslyon@worldnet.att.net>
- 5) [73500] Re: OT Possibly dumb question but Ham Radio Related
by "Paul R. Valko" <prvalko@oakland.edu>
- 6) [73501] Re: emai addresses
by "ptaber" <ptaber@flash.net>
- 7) [73502] Re: OT Possibly dumb question but Ham Radio Related
by "Winston F. Jones" <winjones@ix.netcom.com>
- 8) [73503] Re: Rich Man's Hobby?
by "Ron Smith" <resmith666@uswest.net>
- 9) [73504] missing digest...
by Mighty Mik <mitymik@wenet.net>
- 10) [73505] ELECRAFT K2 FOR SALE!
by HAMPILLOT2@aol.com
- 11) [73506] Re: Rich Man's Hobby?
by Jim Lowman <jmlowman@ix.netcom.com>
- 12) [73507] Circuit BoardThanks
by "Randy Joiner" <biggman@accucomm.net>
- 13) [73508] K-2 For Sale
by Dan Copeland <n0dt@swbell.net>
- 14) [73509] Mu?
by "John L. Sielke" <n4js@pobox.com>
- 15) [73510] Re: OT: Antenna Selection Guidance?
by Ray Colbert <af852@rgfn.epcc.edu>
- 16) [73511] QRP Lights
by Daniel R Case <drcase@iastate.edu>
- 17) [73512] RE: Mu?
by Nick Kennedy <nkennedy@tcainternet.com>
- 18) [73513] FS: GDM and Noise Bridge
by kg2jff@juno.com
- 19) [73514] Re: Rich Man's Hobby?

- by George F Franklin <w0av@juno.com>
- 20) [73515] Re: QRP Lights
by Phil Wheeler <w7ox@earthlink.net>
- 21) [73516] Re: Mu?
by "Victor Blackwell" <victor@brecnet.com>
- 22) [73517] RE: Mu?
by Steve Yates <aa5tb@yahoo.com>
- 23) [73518] Re: Mu?
by "John A. Evans - N0HJ" <jaevas@codenet.net>
- 24) [73519] Re: k2 to Australia w/ 500Mw
by Steve Yates <aa5tb@yahoo.com>
- 25) [73520] QRP LIGHTS-source
by ARDUJENSKI@aol.com
- 26) [73521] Re: Mu?
by Steve Yates <aa5tb@yahoo.com>
- 27) [73522] Re: Mu?
by "Jim Crooke" <crooke@prodigy.net>
- 28) [73523] Re: Mu?
by Bob Nielsen <nielsen@oz.net>
- 29) [73524] Re: emai addresses
by Wb8siw@aol.com
- 30) [73525] Re: Mu?
by Bob Nielsen <nielsen@oz.net>
- 31) [73526] Re: Mu?
by Stephen Trier <sct@po.cwru.edu>
- 32) [73527] Re: Old Geezers with Bugs
by Wa3ptg@aol.com
- 33) [73528] Antenna Selection Guidance
by "James R. Duffey" <jamesd1@flash.net>
- 34) [73529] Re: Rich Man's Hobby?
by "ptaber" <ptaber@flash.net>
- 35) [73530] FS/ Or trade
by RangerSF5@aol.com
- 36) [73531] Re: Circuit Board Material
by "Mike Branca" <w3irz@att.net>
- 37) [73532] RE: Rich Man's Hobby?
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 38) [73533] Re: Rich Man's Hobby?
by Wa3ptg@aol.com
- 39) [73534] Re: Rich Man's Hobby?
by Dave Sjolin <sjolin@swbell.net>
- 40) [73535] QRP lights
by Charles K Brown <n4so@juno.com>
- 41) [73536] Re: k2 to Australia w/ 500Mw
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 42) [73537] Re: Mu?
by Tim Pettibone <k5oi@zianet.com>
- 43) [73538] SMITE Fox Result for June 25th

- by KG4CRU@aol.com
- 44) [73539] Another QRP Field Day Story
by Thomas Kuehl <ac7a@gci-net.com>
- 45) [73540] Re: Radioshack.com Solar Panels
by "JC Smith" <jc-smith@worldnet.att.net>
- 46) [73541] N6KR/WA6HHQ FD report
by Wayne Burdick <n6kr@elecraft.com>
- 47) [73542] circuit board material...
by "sergio" <sergio@village-buzz.com>
- 48) [73543] Re: Rich Man's Hobby?
by "John Moriarity" <k6qq@hdo.net>
- 49) [73544] Re: CMOS III information
by "Jerry Scherkenbach" <jerrys@execpc.com>
- 50) [73545] Re: CMOS III information
by "Art Neilson, WH7N" <art@pilikia.net>
- 51) [73546] Re: walt amos k8cv
by Joe Stodgel <joe_stodgel@yahoo.com>
- 52) [73547] more circuit info..
by "sergio" <sergio@village-buzz.com>
- 53) [73548] QRP-L CD Version 3 - Weekly Friday Repost (long) (fwd)
by Bob Patten <n4bp@bc.seflin.org>
- 54) [73549] Re: Mu?
by "Richard C. Arzadon" <n8xi@juno.com>
- 55) [73550] Re: Mu?
by "Mel Evans" <mel@euramcom.freemove.co.uk>
- 56) [73551] Fw: Mu?
by "Walt Amos" <k8cv@worldspy.net>
- 57) [73552] Worst Call Sign?
by tom palmer <n1tp@worldnet.att.net>
- 58) [73553] Congrats on k2 to Australia w/ 500Mw
by Roger J Wendell <zeekzilch@juno.com>
- 59) [73554] North Georgia QRP Club NQ4RP has a Great Field Day Experience
by Sam Billingsley <SBillingsley@usaninc.com>
- 60) [73555] FIELD DAY OBSERVATION
by "Bradfield, Brad V." <BBradfield@spectrapoint.com>
- 61) [73556] another Field Day story..
by WB9MII@aol.com
- 62) [73557] Re: Rich Man's Hobby
by "Lau, Zack, W1VT" <z1au@arrl.org>
- 63) [73558] Re: Antenna Selection Guidance
by "Lau, Zack, W1VT" <z1au@arrl.org>
- 64) [73559] Re: Antenna Selection Guidance
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 65) [73560] Re: Antenna Selection Guidance - OCF Dipole
by Curt Milton <wb8yyy@yahoo.com>
- 66) [73561] Re: Worst Call Sign?
by W1R0@aol.com
- 67) [73562] RE: Worst Call Sign?

by "Hare, Ed, W1RFI" <w1rfi@arrl.org>

68) [73563] RE: Australia w/ 500Mw
by "AI2Q Alex" <ai2q@ispchannel.com>

69) [73564] Re: Worst Call Sign
by "Bradfield, Brad V." <BBradfield@spectrapoint.com>

70) [73565] RE: Worst Call Sign?
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>

71) [73566] Re: Worst Call Sign?
by Jake Brodsky <frussle@erols.com>

72) [73567] Re: Rich Man's Hobby?
by Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>

73) [73568] Good ops and good antennas - mobile!
by Macstein@aol.com

74) [73569] Re: OT Possibly dumb question but Ham Radio Related
by Monte Stark <ku7y@dri.edu>

75) [73570] RE: Worst Call Sign?
by Rick Sealey <rsealey@InfoAve.Net>

76) [73571] RE: Worst Call Sign?
by Curt Milton <wb8yyy@yahoo.com>

77) [73572] RS-13: Mode K Robot
by "Kreinberg, David" <dkreinberg@necam.com>

78) [73573] Re: Antenna Selection Guidance
by Monte Stark <ku7y@dri.edu>

79) [73574] Re: Worst Call Sign?
by "Ed Manuel (N5EM)" <n5em@flash.net>

80) [73575] RE: RS-13: Mode K Robot
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>

81) [73576] Re: Mu?
by Monte Stark <ku7y@dri.edu>

82) [73577] CMOSIII REGULATOR
by "Floyd Smithberg" <flydnq7x@primenet.com>

83) [73578] newbie. Wants to buy cheap keyer
by MARTIN J STRATTON <kc2cwn@juno.com>

84) [73579] Re: Worst Call Sign?
by Makos327@aol.com

85) [73580] Antenna Launchers
by Lee Hopper <leehop@uswest.net>

86) [73581] Richer Man's Hobby?
by BOB0B0B1@aol.com

87) [73582] Re: Rich Man's Hobby
by "George T. Baker" <w5yr@att.net>

88) [73583] Re: RS-13 Mode K Robot
by "laura halliday" <marsgal42@hotmail.com>

89) [73584] Re: Antenna Launchers
by Jake Brodsky <frussle@erols.com>

90) [73585] Re: Antenna Launchers
by "Mike Yetsko" <myetsko@insydesw.com>

91) [73586] Re: Antenna Launchers

by "Scott E. Olitsky" <solitsky@acsu.buffalo.edu>
92) [73587] RE: Antenna Launchers
by schoon@amgt.com
93) [73588] Re: Worst Call Sign?
by Casey Ray <clray@usc.edu>
94) [73589] Re: Richer Man's Hobby?
by "Francis Callahan" <colcal@srv.net>
95) [73590] Re: Antenna Launchers
by "Francis Callahan" <colcal@srv.net>
96) [73591] RE: Antenna Launchers
by schoon@amgt.com
97) [73592] Re: Antenna Launchers
by Steve Yates <aa5tb@yahoo.com>
98) [73593] Re: OT Possibly dumb question but Ham Radio Related
by Bill Coleman AA4LR <aa4lr@radio.org>
99) [73594] Re: emai addresses
by "JC Smith" <jc-smith@worldnet.att.net>
100) [73595] Re: Antenna Launchers
by "Doug Person" <w4dxv@attglobal.net>
101) [73596] RE: GDM and Noise Bridge
by Jerry Albertin <kg2jff@juno.com>
102) [73597] Re: Worst Call Sign (OT)
by Mike <mmorrow@companet.net>
103) [73598] Re: Antenna Launchers
by Makos327@aol.com
104) [73599] Re: Worst Call Sign (OT)
by "Steven Weber" <kd1jv@moose.ncia.net>
105) [73600] Re: Antenna Selection Guidance
by "JC Smith" <jc-smith@worldnet.att.net>
106) [73601] Re: Antenna Launchers
by "JC Smith" <jc-smith@worldnet.att.net>
107) [73602] RE: Antenna Launchers
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
108) [73603] Re: Worst Call Sign (OT)
by "Everhart, Joseph @ CSE" <jeverhar@mail.cse.1-3com.com>
109) [73604] RE: Worst Call Sign (OT)
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
110) [73605] pixie2 & colorburst crystal
by "jimmie newburry" <jnewburry@hotmail.com>
111) [73606] Ref. Worst FD Antenna?
by George F Franklin <w0av@juno.com>
112) [73607] Re: Fw: MESSAGE FOR BOB, WA2HOQ
by "Phinizy, William" <wphinizy@filenet.com>
113) [73608] Re: Antenna Launchers
by "Doug Person" <w4dxv@attglobal.net>
114) [73609] Re: Antenna Launchers
by "Mike Yetsko" <myetsko@insydesw.com>
115) [73610] Re: Fw: MESSAGE FOR BOB, WA2HOQ

by RangerSF5@aol.com
116) [73611] USS Kidd operating Tuesday
by n5ib@juno.com
117) [73612] Re: Posting with my name and call
by RangerSF5@aol.com
118) [73613] Re: Logging programs
by "JC Smith" <jc-smith@worldnet.att.net>
119) [73614] QPR-MAS Logs please
by mike.mhe@t-online.de (Michael Haugrund)
120) [73615] Re: Antenna Launchers
by "JC Smith" <jc-smith@worldnet.att.net>
121) [73616] Re: Worst Call Sign
by "Lynn Geitgey" <Lgeitgey@kumc.edu>
122) [73617] Re: Worst Call Sign (OT)
by Vince Werber <ka1iic@ime.net>
123) [73618] RE: Worst Call Sign
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
124) [73619] Re: Antenna Launchers
by "Victor Blackwell" <victor@brecnet.com>
125) [73620] Re: Antenna Launchers
by "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
126) [73621] Vertical Dipole Question
by ARDUJENSKI@aol.com
127) [73622] Vote for July QST cover plaque
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>
128) [73623] Re: Worst Call Sign
by "George T. Baker" <w5yr@att.net>
129) [73624] Vertical element on SLV
by ARDUJENSKI@aol.com
130) [73625] re: Lightning destroys Field Day QTH
by hattonte@gdls.com
131) [73626] Re: QRP Lights
by Bruce Grubbs <n7ceeqrp@earthlink.net>
132) [73627] cheap
by Anthony Felino <anthony@pacinfosb.com>
133) [73628] PW-1 MODS for mobile use
by "K7FD" <cqdx@teleport.com>

Date: Mon, 26 Jun 2000 19:08:26 EDT
From: Wb8siw@aol.com
To: victor@brecnet.com, qrp-1@lehigh.edu
Subject: [73496] Re: Name here is 6o6
Message-ID: <5b.7b5f8f3.26893c6a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 06/26/2000 5:06:39 PM Eastern Daylight Time,
victor@brecnet.com writes:

<< OK, so I come on here FD and complement the fine CW. The best I ever
heard. Started listening in '46' That's 1946.

No bug guys in site >>

Perhaps you just didn't notice those using bugs. After all, a bug can send
code just as well as an electronic keyer...in the right hands! LOL.

73, Jim WB8SIW

Date: Mon, 26 Jun 2000 16:20:44 -0800
From: Anthony Felino <anthony@pacinfosb.com>
To: qrp-1@Lehigh.EDU
Subject: [73497] emai addresses
Message-ID: <Chameleon.962061815.anthony@anthony-400>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=ISO-8859-1

What's the best way to transmit an email address on CW?
What do you use for the "AT" sign? Do you use an "R" for the
dot like a decimal point? Is there a quasi-standard here?

Thanks.

WN6Q

Anthony Felino, Pacific Information Design
email: anthony@pacinfosb.com
telephone: (805) 730 1565, x25

Date: Mon, 26 Jun 2000 18:28:27 -0500
From: George F Franklin <w0av@juno.com>
To: kd1jv@moose.ncia.net
Cc: qrp-1@Lehigh.EDU
Subject: [73498] Re: Rich Man's Hobby?
Message-ID: <20000626.183137.-298741.1.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Ron and others,

Back in the thirties I was a clerk in a radio store at twenty-five cents per hour (minimum wage) and a top grade ham receiver was about a hundred bux. That was 400 hours of my labor. There were no store-boughten transmitters to be had, and certainly no transceivers.

Now, you can buy an excellent state of the art HF CW/SSB transceiver (!) for about a kilobuck (or less), which is about 200 hours at today's minimum wage..

If you do the arithmetic, that \$100 receiver would cost approximately \$2000, using today's minimum wage.

Of course, this is an apples and oranges comparison, but it would seem to illustrate the point that today's new ham equipment is a real bargain.

At a recent hamfest I saw complete 100W Heathkit HF CW/SSB stations going for less than \$200 in good working order. Back to the minimum wage comparison (apologies) that is about 40 hours labor.

FWIW.

72/73/74 de George/W0AV
SOC #101

YOU'RE PAYING TOO MUCH FOR THE INTERNET!

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Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Mon, 26 Jun 2000 19:53:05 -0400
From: S LYON <sslyon@worldnet.att.net>
To: cmulder@casema.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [73499] Re: Another Fieldday Observation
Message-ID: <3957ECE1.719449D1@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings, Carel

I've had similar experiences trying to tune into EU contests. The

problem seems to be:

1.) It's a North America event and no extra points for the more difficult DX.

2.)

My signal was more than 6db lower in strength than the general signals all over EU.

Even under good circumstances (non-contest) it's not a level playing field. I do try to listen for DX during these event, but have not heard many at all. One thing tho... I'd love to hear what we all sound like over here from your QTH!

73

-S-

"Carel Mulder, PA0CMU" wrote:

>

> What a field day activity in the US !!!

>

>

--

'Seab' Lyon - AA1MY

Beacon NY USA FN-31

QRP-L 574 ARCI 9253

Date: Mon, 26 Jun 2000 19:58:43 -0400 (EDT)

From: "Paul R. Valko" <prvalko@oakland.edu>

To: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [73500] Re: OT Possibly dumb question but Ham Radio Related

Message-ID: <Pine.OSF.4.21.0006261949100.27571-100000@saturn4.acs.oakland.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 26 Jun 2000, Brian.Buydens@usask.ca wrote:

> I just received a Yaesu FT101ZD. This is the first time I have had an HF
> radio that wasn't CW only. It can do USB and LSB. My question is how can
> I tell if a station is USB or LSB.

It's not a dumb question... but it is a question that most everyone should be able to answer from studying for the exams. And even more important, it gives us all the opportunity to discuss what every ham needs to have in the shack.

First, go get a copy of the ARRL Handbook. It's published every year and most of us buy one every few years or so. A wealth of information.

Second, while you are at the bookstore or www.arrl.org get a copy of the ARRL Operating Manual. There is a TON of useful information in that little book. A friend of mine who just got back into the hobby after 10 years thought it was his best purchase.

And finally, for several reasons that I'll let you discover on your own, voice operation on 160 Meters, 80 (or 75M), and 40M are traditionally made in the LSB mode. 20M and above are USB.

But who uses that voice stuff anyway?

73! =paul= W8KC

Collector of Ten*Tecs and other fine plastics.

Visit the Virtual Ten*Tec Museum at:

<<http://www.acs.oakland.edu/~prvalko>>

Date: Mon, 26 Jun 2000 17:58:33 -0600

From: "ptaber" <ptaber@flash.net>

To: <anthony@pacinfosb.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [73501] Re: email addresses

Message-ID: <000f01bdfcfa\$969ca7a0\$2ce6fea9@taber>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

The times I've heard it done it was something like

EMAIL IS FRED AT FOO DOT BAR

Seemed to work. Might be more difficult if you're name is fredat or your email is at dot.com, but for the run of the mill, it works. FWIW, there is a code character for the at sign, but I don't think anyone would recognize it.

>>>==>PStJTT (W5ABQ)

----- Original Message -----

From: Anthony Felino <anthony@pacinfosb.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Monday, June 26, 2000 6:20 PM

Subject: email addresses

> What's the best way to transmit an email address on CW?
> What do you use for the "AT" sign? Do you use an "R" for the
> dot like a decimal point? Is there a quasi-standard here?
> Thanks.
> WN6Q
> -----
> Anthony Felino, Pacific Information Design
> email: anthony@pacinfosb.com
> telephone: (805) 730 1565, x25
> -----
>
>

Date: Mon, 26 Jun 2000 20:07:20 -0000
From: "Winston F. Jones" <winjones@ix.netcom.com>
To: <prvalko@oakland.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [73502] Re: OT Possibly dumb question but Ham Radio Related
Message-ID: <000e01bfdfaa\$23463020\$4a1e56d1@winstonj>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If the signal becomes clear as you tune up in frequency, it is a upper
sideband (USB) signal. If it becomes clear as you tune down on it, it is a
lower sideband (LSB) signal. It's opposite to what it seems it would be.
No, it's not a stupid question and the only way to learn is to ask
questions.

----- Original Message -----
From: Paul R. Valko <prvalko@oakland.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Monday, June 26, 2000 11:58 PM
Subject: Re: OT Possibly dumb question but Ham Radio Related

>
> On Mon, 26 Jun 2000, Brian.Buydens@usask.ca wrote:
>
> > I just received a Yaesu FT101ZD. This is the first time I have had an
HF
> > radio that wasn't CW only. It can do USB and LSB. My question is how

can

> > I tell if a station is USB or LSB.

>

> It's not a dumb question... but it is a question that most everyone should
> be able to answer from studying for the exams. And even more important,
> it gives us all the opportunity to discuss what every ham needs to have in
> the shack.

>

> First, go get a copy of the ARRL Handbook. It's published every year and
> most of us buy one every few years or so. A wealth of information.

>

> Second, while you are at the bookstore or www.arrl.org get a copy of the
> ARRL Operating Manual. There is a TON of useful information in that
> little book. A friend of mine who just got back into the hobby after 10
> years thought it was his best purchase.

>

> And finally, for several reasons that I'll let you discover on your own,
> voice operation on 160 Meters, 80 (or 75M), and 40M are traditionally made
> in the LSB mode. 20M and above are USB.

>

> But who uses that voice stuff anyway?

>

> 73! =paul= W8KC

> Collector of Ten*Tecs and other fine plastics.

> Visit the Virtual Ten*Tec Museum at:

> <<http://www.acs.oakland.edu/~prvalko>>

>

>

Date: Mon, 26 Jun 2000 18:08:36 -0600

From: "Ron Smith" <resmith666@uswest.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [73503] Re: Rich Man's Hobby?

Message-ID: <031501bfdfcb\$d8432f20\$02000000a@uswest.net>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Ok Gang...

> Of course, this is an apples and oranges comparison, but it would seem to
> illustrate the point that today's new ham equipment is a real bargain.

I guess I CAN afford that K2 after all. What the heck -- let's go for the

gusto and get that top of the line Yeasu. What a bargain IT is!!

Now we have to make a decision. Which of the following necessities do not get paid so I can get my new toy:

Rent
Food
Electric
Water
Gas for the house
Life Insurance
Car
Car Insurance
Gas for the car
Wife

You guys pick -- obviously I don't see where the money is going to come from!

Wouldn't it just be easier for everyone on the list to just send me \$1.00? I could then buy the K2 fully loaded and have enough left over to move to another location where I could have more than 35 feet in any direction for antennas and not be bothered by high voltage lines on two of the four sides of the property.

Ron Smith
KD7VD
Boise, Idaho

p.s. DO NOT SEND MONEY!!! That was a joke!!!

Date: Mon, 26 Jun 2000 17:33:10 -0700
From: Mighty Mik <mitymik@wenet.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [73504] missing digest...
Message-ID: <3957F646.D35A5BF5@wenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

anyone else miss the digest for Monday?

Date: Mon, 26 Jun 2000 20:48:42 EDT
From: HAMPILLOT2@aol.com
To: QRP-L@lehigh.edu
Subject: [73505] ELECRAFT K2 FOR SALE!
Message-ID: <a6.63d99b0.268953ea@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

i have an ELECRAFT K2 for sale in excellent condition with no options or mods done to it. rig works perfectly and comes with original manual.
am asking \$700 OBO and will ship.
let me know if interested.
e-mail or phone at 415-716-7772.
thanks!

Date: Mon, 26 Jun 2000 17:49:12 -0700
From: Jim Lowman <jmllowman@ix.netcom.com>
To: qrp-l@lehigh.edu
Subject: [73506] Re: Rich Man's Hobby?
Message-ID: <3957FA08.6DF6E867@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've been a ham since 1966, and have heard amateur radio referred to as a "rich man's hobby" for about as long.

Part of the problem may be (IMNSHO) that the new or prospective amateur sees a well-equipped hamshack and concludes that ham radio is out of his price range. This conclusion fails to take into account that it may have taken that ham years to build his station to its current state. With the lack of that old guy down the street, hypothetically named "Elmer" who helped many of us become hams, the first station a newbie may be exposed to is a club station, or someone's contest superstation.

I've put more than a little money into the hobby, but I will never have a station such as is featured on the cover of radio magazines. Am I having fun? Yes, indeed!

Sure, I'd like to have an IC-781, an IC-756PRO, an FT-1000D and a FT-1000MP Mark V, as well as the yet-to-be-introduced Kenwood that goes from LF to 1.2G, to evaluate next to my Ten-Tec Omni VI+ to see which has the best operating and ergonomic features under MY specific operating conditions. But I'd probably choose one and sell the others,

since I don't like to have radios sitting around unused. But, since I've gained an interest in QRP, the yet-to-be-built K2, the K1 on order, the QRP+ and the Ten-Tec Argo 556, as well as the Sierra and DSW-40 kits are more than adequate for my needs.

I'm sure that there are hobbies that are inexpensive, such as hiking or bicycling, once the necessary equipment is purchased, but many hobbies are fairly expensive.

When I was in high school and college, I spent most of my free (day) time on the local golf courses. Even after the initial investment in clubs, there were green fees to be paid and golf balls to be bought. Add a lunch and a beer or two at the clubhouse, and it was easy to spend \$20 or so on an outing. Then that, and probably more, on a date later that evening.

As far as getting started, we're probably better off today than any time that I can remember, when it comes to setting up an inexpensive station. There is all kind of used equipment available and, for the QRPers, excellent kits with excellent specifications. Dollar for dollar, we probably get more value for the \$549 spent on the K2 than on, say, the Heathkit HW-9, in today's dollars. Technology has improved and costs less today.

I participated in my first QRP-only Field Day this weekend, and seeing what we were doing with a minimal investment in transceivers and with wire antennas, it just reinforced the minimalist QRP philosophy even more.

Hope everyone had a great weekend on the air, whether at FD or not.

72 de Jim - AD6CW

Date: Mon, 26 Jun 2000 21:06:00 -0400
From: "Randy Joiner" <biggman@accucomm.net>
To: <qrp-1@Lehigh.EDU>
Subject: [73507] Circuit BoardThanks
Message-ID: <002901bfdf3\$dc8720c0\$a5819bce@accucomm.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Once againwhat a great bunch of guys.....and gals (almost got myself in big trouble) on this list. Thank you one and all for the responses I got regarding the circuit board material. I'll be all fixed up

in just a few days. THANK YOU ALL.

Randy N4SX

Date: Mon, 26 Jun 2000 20:08:59 -0500
From: Dan Copeland <n0dt@swbell.net>
To: qrp-1@Lehigh.EDU, elecrafft@qth.net
Subject: [73508] K-2 For Sale
Message-ID: <4.3.2.7.2.20000626200752.00b273b0@postoffice.swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"; format=flowed

Thanks to all who inquired.
The K-2 is spoken for.
Dan Copeland N0DT
n0dt@swbell.net

Date: Mon, 26 Jun 2000 21:17:09 -0400 (EDT)
From: "John L. Sielke" <n4js@pobox.com>
To: qrp-1@lehigh.edu
Subject: [73509] Mu?
Message-ID: <XFMail.000626211709.n4js@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

OK, I am having a brain fart...

Mu is a unit of?

(Besides being 12th letter of Greek alphabet, etc...

/ \ / \ / \ / \ John L. Sielke n4js@pobox.com n4js@qsl.net
(N)(4)(J)(S) NJ Grid:FM29LN <http://www.qsl.net/n4js>
_/ _/ _/ _/ NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

Date: Mon, 26 Jun 2000 19:19:31 -0600
From: Ray Colbert <af852@rgfn.epcc.edu>
To: ARDUJENSKI@aol.com
Subject: [73510] Re: OT: Antenna Selection Guidance?
Message-ID: <39580123.27D66ADE@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have been following the subject of Antenna Selection Guidance, and thought the question brought forth by Alan has/had some credance. There has been some very good responses and suggestions made, including those by the ever wise Dr. Megacycle - KK6MC.

I have been running for the past 30+ years phased verticals, using information garnered from: Bill Orr's writings, both book and magazine article, Paul Lee's articles in CQ magazine and his Vertical handbook, Moxon's HF Antennas for All Locations, plus many, many others. The theory

stays the same only the location and in field dis-continuities change. In recent years I have also tried various shaped delta loops, fed at the top, fed on the side, fed at the corner and contrary to the glowing reports of other operators and their success, I have not had the same results. But I did give it a go. Back to the study material. I have also tried the verticals ground mounted, and elevated with elevated radials based on the articles written by Al Christman, KB8I, some years ago. I have used homebrew verticals made from EMT conduit - cheap, comes in 10 ft lengths, and when guyed with nylon ropes, makes a good vertical - mine were 33'6", and would load reasonably well on 80 but with no coils or other loading devices worked all frequencies, with a tuner. The current in use verticals Cushcraft AP8A while work, do not seem to do nearly as well as the homebrew verticals or some of the wire antennas. Trap design? I did not seem to have the same problem with HyGain 14 or 18AVQ types of antennas some years ago.

Radio Shack and other suppliers, have some nice stranded #14 antenna wire

that can be used for either a dipole (70 ft rl 2 rolls for 80) or take 3 rolls splice 2 together and use the third for a single wire Windom feed. And the concepts are not endless (?)but more available than the average person can do in the time available.

While this is a rambling response, my point is that sources of the antenna information should all be considered. Such as this thread, I started with Alan's first posting

and have thru his last. And I do that with other items of interest, not just antennas. On this list, a plethora of information is available, from engineers, technicians, experimenters and average Joe and Jane. This information, much of it the results of an attempt at building an antenna, transmitter or receiver cannot be found in any publication. I keep such in a file on my computer(lots of files and directories) and can and do refer to it or them often. This type info can be maintained by those that do not have access to the internet but do get the list as a digest or even singular messages and one does not have to rely on having to try and locate it elsewhere. I find the digest easier to work with.

Sorry for the long post, but maybe some of it will be useful.
And Alan, thanks for asking the question - qrp does not work without the antenna and I don't think it was an OT subject.

73

Ray

--

"The more I see of the representatives of the people,the more I admire my dogs." letter from Count d'Orsay to John Foster 1850
Ray Colbert, W5XE, OOTC#3618, SOWP#1064M NARTE-NCT2 SOC#78
MI-QRP 379QRP-ARCI 5784 NORCAL 1110, El Paso,(FAR WEST) TEXAS

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Date: Mon, 26 Jun 2000 20:14:04 -0500
From: Daniel R Case <drcase@iastate.edu>
To: qrp-l@Lehigh.edu
Subject: [73511] QRP Lights
Message-ID: <4.2.0.58.20000626201100.009805e0@drcase.mail.iastate.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Greetings:

Is anyone familiar with the QRP vendor who sells LED-type lights that work well with QRP-in-the-field operation to illuminate their operating position? I remember reading an ad for this, but can't remember where. Anyone have any ideas?

Please respond direct.

Dan KBOJUL
drcase@iastate.edu

=20
 (N) (4) (J) (S) John L. Sielke n4js@pobox.com n4js@qsl.net
 NJ Grid:FM29LN <http://www.qsl.net/n4js>
 NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
 G-ORP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

Date: Mon, 26 Jun 2000 21:31:46 -0400
From: kg2jff@juno.com
To: qrp-1@lehigh.edu
Subject: [73513] FS: GDM and Noise Bridge
Message-ID: <20000626.213147.-110175.0.kg2jff@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I recently received an antenna analyzer as a gift so the following are surplus to my needs:

Heathkit HD-1250 Grid Dip Meter. Solid state grid dip meter with coils for 1.6-250MHZ. This is a FET operated GDO and is in the original Heathkit plastic carrying case. It operates on one 9 volt battery, is in very good condition and comes with original manual. \$60 plus shipping.

MFJ 202 noise bridge. Very good condition. Sorry no manual but it operates as any other noise bridge. \$20 plus shipping.

Interested parties, please contact me direct....Thanks Jerry KG2JF

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 26 Jun 2000 20:37:42 -0500
From: George F Franklin <w0av@juno.com>
To: resmith666@uswest.net
Cc: qrp-1@Lehigh.EDU
Subject: [73514] Re: Rich Man's Hobby?
Message-ID: <20000626.203743.-298741.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hello Ron,

I neglected to mention (In my tale of woe and intrigue in the thirties) that I never did save up the \$100 to buy that hot shot receiver.

On the other hand, I did find a used RX for about \$10 and built a one-tube CW Hartley

oscillator 40 meter rig from a junked BC radio (50 cents).

That represented only forty-two hours at 25 cents/hour!

You are absolutely right; first things first.

72/73/74 de George/W0AV
SOC #101

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 26 Jun 2000 18:42:05 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: drcase@iastate.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [73515] Re: QRP Lights
Message-ID: <3958066D.7F341C0C@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rigel Systems makes such lights for astronomy purposes. Red or white
avaialble .. or one with both options.

Handheld .. but one could improvise.

Phil

Daniel R Case wrote:

>
> Greetings:
>
> Is anyone familiar with the QRP vendor who sells LED-type lights that work
> well with QRP-in-the-field operation to illuminate their operating
> position? I remember reading an ad for this, but can't remember
> where. Anyone have any ideas?
>
> Please respond direct.
>
> 73,
>
> Dan KB0JUL

> drcase@iastate.edu

Date: Mon, 26 Jun 2000 21:52:27 -0400
From: "Victor Blackwell" <victor@brecnet.com>
To: <n4js@pobox.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [73516] Re: Mu?
Message-ID: <008401bdfdfa\$59989660\$4c5730d1@victor>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

a unit of conductance, The reciprocal of ohms.

Vic AD8K

-----Original Message-----

From: John L. Sielke <n4js@pobox.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Monday, June 26, 2000 9:14 PM
Subject: Mu?

>OK, I am having a brain fart...

>

>Mu is a unit of?

>

>(Besides being 12th letter of Greek alphabet, etc...

>

>

>

>---

>

> /_ \ /_ \ /_ \ /_ \ John L. Sielke n4js@pobox.com n4js@qsl.net

>(N)(4)(J)(S) NJ Grid:FM29LN <http://www.qsl.net/n4js>

> _ / _ / _ / _ / NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86

> G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

>

Date: Mon, 26 Jun 2000 18:53:19 -0700 (PDT)
From: Steve Yates <aa5tb@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [73517] RE: Mu?
Message-ID: <20000627015319.8839.qmail@web3001.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

In vacuum tube Mu refers to "amplification factor" as mentioned.

Mu is also used for "permeability" - the ratio of flux density in a material to the flux density (using same conditions) of air.

=====

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://www.geocities.com/aa5tb>
aa5tb@arrl.net

Do You Yahoo!?
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<http://mail.yahoo.com/>

Date: Mon, 26 Jun 2000 19:52:20 -0600
From: "John A. Evans - N0HJ" <jaevans@codenet.net>
To: victor@brecnet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [73518] Re: Mu?
Message-ID: <395808D3.721B29FF@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

No, that is mho !!! not mu !!

Victor Blackwell wrote:

> a unit of conductance, The reciprocal of ohms.
>
> Vic AD8K
>
> -----Original Message-----
> From: John L. Sielke <n4js@pobox.com>

> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Date: Monday, June 26, 2000 9:14 PM
> Subject: Mu?
>
> >OK, I am having a brain fart...
> >
> >Mu is a unit of?
> >
> >(Besides being 12th letter of Greek alphabet, etc...
> >
> >
> >
> >---
> >
> > / \ / \ / \ / \ John L. Sielke n4js@pobox.com n4js@qsl.net
> >(N)(4)(J)(S) NJ Grid:FM29LN <http://www.qsl.net/n4js>
> > _ / _ / _ / _ / NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
> > G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781
> >

Date: Mon, 26 Jun 2000 18:56:56 -0700 (PDT)
From: Steve Yates <aa5tb@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [73519] Re: k2 to Australia w/ 500Mw
Message-ID: <20000627015656.13105.qmail@web3005.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

> I worked AX3CB-Special Olympics Callsign (VK3CB) in
> Victoria, Australia tonight on 20 meters with the K2
> on SSB using only 500 Mw.

With 500 megawatts they ought to be able to get RF
burns in Australia ;-)

=====
73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://www.geocities.com/aa5tb>
aa5tb@arrl.net

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Date: Mon, 26 Jun 2000 22:05:16 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [73520] QRP LIGHTS-source
Message-ID: <90.63f1eb2.268965dc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

One good site for source of lights is WHITEROOK (Electronics USA) at
<http://electronicsusa.com/home.html>

Alan KB7MBI

Date: Mon, 26 Jun 2000 19:05:27 -0700 (PDT)
From: Steve Yates <aa5tb@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [73521] Re: Mu?
Message-ID: <20000627020527.9565.qmail@web3002.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- "John A. Evans - N0HJ" <jaevans@codenet.net>
wrote:

> No, that is mho !!! not mu !!

So what is mho-joe? Or is that mho/joe (mhos per joe)?

All I know is that my rig has it ;-)

=====

73,

Steve Yates - AA5TB

Fort Worth, TX - EM12gs

<http://www.geocities.com/aa5tb>

aa5tb@arrl.net

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Date: Mon, 26 Jun 2000 21:16:00 -0500
From: "Jim Crooke" <crooke@prodigy.net>
To: <n4js@pobox.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [73522] Re: Mu?
Message-ID: <002901bfdidd\$a4a66d00\$6ab19cd1@n9o0l8>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mu=Mizzou=university of Missouri

Jim WB0HQV
Mu 1980

Date: Mon, 26 Jun 2000 19:18:41 -0700
From: Bob Nielsen <nielsen@oz.net>
To: qrp-1@lehigh.edu
Subject: [73523] Re: Mu?
Message-ID: <20000626191841.B20616@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

On Mon, Jun 26, 2000 at 09:17:09PM -0400, John L. Sielke wrote:

> OK, I am having a brain fart...

>

> Mu is a unit of?

>

> (Besides being 12th letter of Greek alphabet, etc...

Sticking my neck out (no fair looking at a textbook), I believe it is a
unit of permeattivity (sp?)

Bob, n7xy

Date: Mon, 26 Jun 2000 22:23:50 EDT

From: Wb8siw@aol.com
To: anthony@pacinfosb.com, qrp-1@lehigh.edu
Subject: [73524] Re: email addresses
Message-ID: <f6.4de5c2.26896a36@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 06/26/2000 7:30:36 PM Eastern Daylight Time,
anthony@pacinfosb.com writes:

<< What's the best way to transmit an email address on CW?
What do you use for the "AT" sign? Do you use an "R" for the
dot like a decimal point? Is there a quasi-standard here?
Thanks.
WN6Q >>
Hi Anthony:

I can tell you what we've been using on the Michigan QMN Net: "AT" for the
"@" symbol and "DOT" or the International Morse "period"
(di-dah-di-dah-di-dah) for the decimal point. This seems to be the standard
on the various CW traffic nets right now, at least from my experience.

73, Jim WB8SIW

Date: Mon, 26 Jun 2000 19:45:39 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [73525] Re: Mu?
Message-ID: <20000626194539.A20719@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

On Mon, Jun 26, 2000 at 07:18:41PM -0700, Bob Nielsen wrote:
> On Mon, Jun 26, 2000 at 09:17:09PM -0400, John L. Sielke wrote:
> > OK, I am having a brain fart...
> >
> > Mu is a unit of?
> >
> > (Besides being 12th letter of Greek alphabet, etc...
>
> Sticking my neck out (no fair looking at a textbook), I believe it is a
> unit of permeattivity (sp?)

As Steve said, permeability. I guess I was somewhat close (but that
only counts on the soc mailing list).

Date: Mon, 26 Jun 2000 22:55:12 -0400
From: Stephen Trier <sct@po.cwru.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [73526] Re: Mu?
Message-ID: <3.0.6.32.20000626225512.0094fb50@pop.cwru.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Two or three decades ago, the letter mu was used to mean microns or micrometers. Those are two names for one millionth of a meter, or one thousandth of a millimeter. Today, a micron is always abbreviated "mu m", not as a "mu" by itself.

Stephen

--
Stephen Trier KG8IH "File names are infinite in length where
sct@po.cwru.edu infinity is set to 255 characters."
 -- Peter Collinson, "The Unix File System"

Date: Mon, 26 Jun 2000 22:56:53 EDT
From: Wa3ptg@aol.com
To: ku7y@dri.edu, qrp-l@lehigh.edu
Subject: [73527] Re: Old Geezers with Bugs
Message-ID: <60.4735b37.268971f5@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 6/26/00 12:16:22 PM Eastern Daylight Time, ku7y@dri.edu writes:

> "no old geezers slapping their blue racers."

I may not have a blue racer, but someday, I hope to be a very old geezer. I like old geezers, they made it to where I want to be -- someday. Let's hear it for old geezers!!

72 DE WA3PTG
Harry (Hap) Hurst, middle-aged geezer

Wilmington DE

QRP-L #1464

Date: Mon, 26 Jun 2000 20:57:28 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <ARDUJENSKI@aol.com>, qrp-l <qrp-l@lehigh.edu>
Subject: [73528] Antenna Selection Guidance
Message-ID: <B57D7438.15C6%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Rick and the list - Although I am not an antenna engineer in real life, I play one on QRP-L and occasionally at Hamfests. ;^)=

I get the digest so I did not have time to respond to your post on antenna selection guidelines before you asked for the dogs to be called off. I still want to comment on your post. I was pleased to see that Dave, N0IT, reposted my antenna rules of thumb for beginners. That will make my post shorter.

I don't like the form idea for a couple of reasons; one, it unnecessarily complicates the antenna selection process, and two, it implies that the solution is unique, that is there is one best antenna for each situation. Often there are several antennas that would be applicable.

Having said that, I agree with you that the ham radio antenna literature, including the internet, is bewildering to the newcomer who usually just wants a simple question answered "What type of antenna should I put up?"

The old "Understanding Amateur Radio" put out by the league used to address this very nicely. This publication was sort of a novice handbook which served nicely as an introductory technical reference; bridging the gap nicely between the less than practical knowledge obtained by studying to pass the Novice test, and the detailed ARRL Handbook covering nearly every facet of Ham radio. The antennas presented in "Understanding Amateur Radio" were effective, worked well, needed little tuning, and were explained well. With all the new hams coming into Ham Radio it would be nice if the league would consider updating this or releasing a similar book. I think it would help to bring many of the newcomers up to speed.

With the lack of direction for beginners in mind, I have compiled a list of antennas that I suggest beginners try. I developed this for my hamfest talks so you may have seen these before.

In case some are interested they are:

Good antennas for Beginners:

1. Single band dipole or inverted Vee (depending on whether you have one tall support or two). These can be erected with little or no tuning. If tuning is needed, the direction to go is clear, if the resonance is too high add wire, if it is too low, prune wire. Most will work fine with OK when cut to formula.
2. Parallel dipoles for multiple bands. This is best limited to even harmonically related bands to reduce interaction. Tuning is harder than 1, but again if the elements are adequately separated an antenna cut to formula will usually work fine.
3. Single band quarter wave verticals supported by a fiberglass crappie pole such as the SD-20. A good ground is required, but again little tuning is required and it is straight forward.
4. A coat hanger special for 2 M and up for local FM work. These are inexpensive, can be built from easily obtained materials and will outperform antennas costing much more.
5. VHF/VHF Cheap and easy Yagis. See

<http://www.clarc.org/Articles/uhf.htm>

These antennas were designed by Kent Brittain, WA5VJB, are easy to build, require no tuning after being built, and can be built for less than \$5 with easily obtainable parts using only hand tools. These antennas are only about 1 dB below the ideal gain for the boom length.

6. Quagis. These are also built from easily obtainable materials, require no tuning other than careful measurements, and have a gain within 2 dB or so from ideal. They are a good antenna to use if you are starting weak signal (CW and SSB) VHF work.

One or more of the above antennas should be applicable to nearly every newcomers needs. Bands from HF or UHF are covered.

Antennas for the advanced amateur, or for those who have built the above antennas and are looking for a slightly improved, albeit slightly harder to build:

1. Loops, both horizontal and vertical. The standard formulas do not apply as closely as they do for dipoles, and achieving a 50 Ohm match needs some matching. None the less, they are good performers and most hams can easily get one going.
2. 2 element Yagis, either wire or tube. Wire antennas covering a fixed

direction are cheap and provide good bang for the buck. Again, this antenna can be made to work with little if any tuning or matching. Cut to length they will usually work pretty good. If you don't have the means to raise and rotate a tube based Yagi, lots of fun can be had with a Yagi in a fixed direction. Such an antenna pointed at Europe, the Carribean, Japan, or South Pacific will yield a lot of DX, particularly during a DX contest.

3. Center Fed Zepp. Implementation of the balanced feeder requires some thought and consideration, and the addition and operation of a tuner adds some complexity, and cost. However the bang for the buck is hard to beat in a multiband antenna. The Z match is a good tuner to use with this antenna.

4. Optimized 3 element or greater Yagis for VHF/UHF. The latest handbook has plans for these. They require careful construction and matching requires some careful measurements, but these will work nearly to theoretical expectations.

5. Long (greater than a wavelength) wires. These require some care in feeding (use an ell match) and need to be pointed in the right direction as long wires can be very directional.

6. Phased verticals. These require a good ground, and care needs to be taken to get the phasing right, but good performance in a limited space can be obtained.

All of these antennas are a good step up from the usual ham first antenna and can be built and erected with little fuss.

I suggest beginners avoid the followoing antennas. Not because they don't necessarily work, but beause they present one or more problems that can be difficult for the beginner to deal with. In other words, they require some fussing. The beginner could better spend this time operating.

1. The Windom or off-center fed antenna. These can have feedline radiation which can cause several problems. The feedline radiaiton in these antennas can be very difficult to eliminate.

2. The G5RV. I am referring to the type which is fed with a combination of coax and a matching stub of balanced feeder. This antenna can have feedline radiation if fed without a balun, and excessive losses if fed with one. Without the coax it is essentially a center fed Zepp which is covered above.

3. The W8JK. This antenna has a low radiation resistance and can have significant losses if care is not paid to loss sources that can be neglected in other antennas: wire diameter, joints, and end insulators.

4. End fed random length wire. These can be tricky to feed, often resulting in RF in the shack on one or more bands. These can be tamed, but again the

time and effort are better spent by a beginner on the air.

5. J-Pole and end fed Zepp. These have problems with implementing balanced to unbalanced transitions without baluns. This leads to feedline and stub radiation. The coat hanger special is an easier antenna to build and as good a performer

I suggest that beginners build their own antenna rather than buying one. The ones I suggested are simple to build, only require hand tools and do not require tuning. The hardest skill required is soldering. Ron, KU7Y, says that soldering is not even required and suggests that good antenna wire connections can be put together with wire nuts. I have not tried this, but someone who is afraid to solder might try it.

These are my opinions. I don't suggest the above are unique solutions, but they work and they will work well in most situations. For situations not covered above, such as indoor/restricted covenant antennas, or portable applications I could make up a couple of new lists that cover these situations, but there are others on the list better qualified to do so.

Keep up the good questions Alan. Asking the right question is as hard or harder than supplying the correct answer.

I hope that this helps someone. Let us know. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Mon, 26 Jun 2000 21:06:24 -0600
From: "ptaber" <ptaber@flash.net>
To: <resmith666@uswest.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [73529] Re: Rich Man's Hobby?
Message-ID: <003901bfdfef4\$b0eca6e0\$2ce6fea9@taber>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Now we have to make a decision. Which of the following necessities do not
> get paid so I can get my new toy:
>
> Rent

- > Food
- > Electric
- > Water
- > Gas for the house
- > Life Insurance
- > Car
- > Car Insurance
- > Gas for the car
- > Wife
- >
- > You guys pick -- obviously I don't see where the money is going to come from!
- >

When ham radio starts getting too big a spot in my thoughts, I always drop back to the Amateur's Code and re-read that section that says "An Amateur is Balanced." Right after I passed my Novice, I went out and spent big bucks (for me) on a TS-440, matching power supply, mic and cool Kenwood headphones. That was the last time I ever did anything like that. (Not to imply I wouldn't *like* to do it again....)

But over the course of years, good stuff has accumulated. The trick is to know what you want and stay open to the possibilities. Over the course of years, I got a top-of-the-line Tektronix 'scope for \$100, I got a great junkbox just for hauling it away, operating equipment, power supplies, old radios and test equipment. All just because I was open to letting it happen. When I move, I look with an eye toward ham radio operation. This last time it didn't do me any good, because it was more important to get the kids into a specific school district. But maybe next time I'll be in antenna paradise -- who knows? Stay alive to the possibilities, stay patient and don't wait for perfection -- operate now with what you have.

In fact, ham radio is a dangerous hobby if you tend to think in terms of acquiring *stuff* instead of operating. There's always better stuff out there. Stuff you got to have. Life would be perfect if you only had the stuff. I was at a ham radio demo once where we had thrown a wire over a branch and stuck the end into the connector of an really funky old Icom rig just to let people hear what ham radio sounded like. There was no intent to operate. But while I stood there and listened to a DX-wannabe tell me why he wasn't trying for DXCC yet because he didn't have a tower or the right rig or *stuff*, one of the best DXer's I know walked up, and operating into what had to be a huge mis-match started working European stations to the delight of the crowd.

>>>==>PStJTT

Date: Mon, 26 Jun 2000 23:09:55 EDT
From: RangerSF5@aol.com
To: qrp-1@lehigh.edu
Subject: [73530] FS/ Or trade
Message-ID: <55.7d32998.26897503@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I have a NC40-A with the KC-1 keyer, 1-K tuning pot and the 5 watt mod.
Like new A 1 + operation and looks.
Sell for \$150.00 or trade for MFJ 40-M with CW filter and keyer.
No early versions of the MFJ please.
Will consider a NC-20 with some of the mods or a RHR for 40-M.
Reply off list.
Thanks
Bob
WA2HQrp <tm>

Date: Mon, 26 Jun 2000 21:54:28 -0500
From: "Mike Branca" <w3irz@att.net>
To: <biggman@accucomm.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [73531] Re: Circuit Board Material
Message-ID: <010801bfdfe5\$c61a9940\$4b034d0c@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Randy, I saw quite a number of folks at Dayton with scrap PC boards for sale. One of whom was Fred at FAR circuits who had a bin full for 10 cents per piece. The sizes ranged from 3 X 10 to 3 X 4 or so. See you at the NOGA meeting.

Mike W3IRZ

----- Original Message -----
From: Randy Joiner <biggman@accucomm.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Sunday, June 25, 2000 9:29 PM
Subject: Circuit Board Material

> Does anyone have a good (inexpensive) source of good quality blank circuit
> boards? I hear hamfest are a good source. I don't get to them very often
> and haven't seen any at the past 3 I've been to, so I figure that route is
> out for me. Any and all help appreciated.
>
> Randy N4SX
>
>

Date: Mon, 26 Jun 2000 22:20:54 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <jmlowman@ix.netcom.com>, "'Low Power Amateur Radio Discussion'" <qrp-
l@Lehigh.EDU>
Subject: [73532] RE: Rich Man's Hobby?
Message-ID: <000001bfdfe6\$b48c29e0\$8f3ec6d8@wb5rue>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is what happens when we have a "generation" of appliance operators entering the hobby. ...and from the other side it stems from a lack of good Elmering to the incoming hams. I was given my first rigs (rec/xmt pair) by my Elmer. They weren't working because they had been hit by lightning. We spent many, many hours working on those rigs at HIS workbench and mostly HIS parts getting those rigs on the air. I learned more in those few weeks/months than I ever could have done from books. This sort of thing is almost non-existent these days. We are all hams, let's work together -- all ye olde fartz and geezers out there, I count myself among ye, let's take one or more of those new upstarts under your wing.

72/73

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Jim Lowman
> Sent: Monday, June 26, 2000 7:49 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Rich Man's Hobby?
>

>
> I've been a ham since 1966, and have heard amateur radio
> referred to as
> a "rich man's hobby" for about as long.
.....
> Sure, I'd like to have an IC-781, an IC-756PRO, an FT-1000D and a
> FT-1000MP Mark V, as well as the yet-to-be-introduced Kenwood
> that goes
> from LF to 1.2G...
> 72 de Jim - AD6CW
>

Date: Mon, 26 Jun 2000 23:22:47 EDT
From: Wa3ptg@aol.com
To: resmith666@uswest.net, qrp-l@lehigh.edu
Subject: [73533] Re: Rich Man's Hobby?
Message-ID: <79.5fd3e08.26897807@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Right now I have a 50 buck transceiver and a dipole thats not exactly "in the clear." I can make a contact just about any time of the day or night. Who needs a lot of expensive equipment?

72 DE WA3PTG
Harry (Hap) Hurst, po' ham.
Wilmington DE QRP-L #1464

Date: Mon, 26 Jun 2000 22:20:34 -0500
From: Dave Sjolin <sjolin@swbell.net>
To: resmith666@uswest.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [73534] Re: Rich Man's Hobby?
Message-ID: <39581D82.8512AD23@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Ron Smith wrote:

>
> I guess I CAN afford that K2 after all. What the heck -- let's go for the

> gusto and get that top of the line Yeasu. What a bargain IT is!!

If not a K2, how about a Kenwood TS-830 which has one of the best receivers ever built? Or an Icom-735? Or if things are really tight, I've seen Drake Twins go for \$300.

Im perfectly happy with my Kenwood TS-940S which I bought 12 years ago. No need to buy a new rig just because the manufacturers create some new doo-dads.

73 de Dave, N0IT

Date: Mon, 26 Jun 2000 22:47:14 -0500
From: Charles K Brown <n4so@juno.com>
To: qrp-1@lehigh.edu
Subject: [73535] QRP lights
Message-ID: <20000626.224714.14654.16.n4so@juno.com>

Jameco has the BG Micro IR Illuminator Kit
part nr. 157964/page 85 in the catalog and works
from 12 volts DC. 36 high powered LEDs--

4XZ Israel is on 14.000.25 sending vvv de 4XZ 4XZ...
S-9 plus plus///obviously out of bounds.

Ken Brown N4S0
Mobile, AL EM50tk
NorCal 20 at 5 watts
4 element mono. yagi

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 27 Jun 2000 13:56:55 +1000
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [73536] Re: k2 to Australia w/ 500Mw
Message-ID: <39582606.942B8951@integritynet.com.au>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steve Yates wrote:

> > I worked AX3CB-Special Olympics Callsign (VK3CB) in
> > Victoria, Australia tonight on 20 meters with the K2
> > on SSB using only 500 Mw.
>
> With 500 megawatts they ought to be able to get RF
> burns in Australia ;-)

Makes a nice change from sun burn. Notice how those Victorians VK3
sneakily horn in on OUR official Sydney VK2 olympics?

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14' S 151o:34' E
My FREE Newsletter:- <mailto:vk2tip@qsl.net?Subject=Subscribe>
VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 "duh?"
URL - <http://www.integritynet.com.au/~purdic/>

Date: Mon, 26 Jun 2000 22:09:58 -0600
From: Tim Pettibone <k5oi@zianet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [73537] Re: Mu?
Message-ID: <3.0.5.32.20000626220958.007b4d50@zianet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hey this is better than the endless threads about CW/bugs/old
geezers/antenna selection/...ad nauseum. At least it is (kinda) related to
QRP!

mu is (I believe) the unit of permeability. The reciprocal of resistance,
conductance, measured in siemens. Now to run to my bookshelf and see if
I'm right.

Tim K5OI
QRP-L# 73, K2 # 63

Date: Tue, 27 Jun 2000 00:14:38 EDT
From: KG4CRU@aol.com
To: qrp-1@lehigh.edu, klqrp@waterw.com
Subject: [73538] SMITE Fox Result for June 25th
Message-ID: <98.6ddd3c2.2689842e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Herewith the result from the SMITE Fox hunt.

DATE: June 25th
TIME. 9:30est - 10:00est
Station:- N4HAY
Operating Condx. SMITE Tcvr 200Mw
 9v battery
 Inverted Vee at 55ft apex but with approx a 70degree leg
angle.
 Tick 1 Keyer
Operator Dick (tired from FD)

1QSO with N4ROA. Dan Va. Pwr=3W?

I heard another station but was unable to copy.

72 de Dick N4HAY

Date: Tue, 27 Jun 2000 21:13:29 -0700
From: Thomas Kuehl <ac7a@gci-net.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [73539] Another QRP Field Day Story
Message-ID: <39597B69.DD2F2439@gci-net.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Howdy fellow QRPers,

Before everyone is totally sick of Field Day stories I thought I'd add mine. Please delete now if you don't like long stories.

I operated in the 1B category, using my K2 and a "new" wire antenna on CW, high up in the Santa Catalina Mountains, (8000 ft elev.) just north of Tucson. It was kind of a combined camping trip with my teenage son and a

Field Day operation. Since I didn't want my son to get totally bored I kept the operating to about 1/4 to 1/3 the contest time. The other time was spent hiking, eating, sleeping, or seeking out the other Field Day stations operating from the same mountain range (K7SA and W7IBM).

Since the monsoons arrived early this year, it was the first time ever I had to contend with rain and cool weather on Field Day. We managed to get the tent and a rain tarp in place before the rain started, but I found myself scampering within it while attempting to set the antenna wires in the Ponderosas.

Due to the rain delay, I started operating about a half hour after Field Day started and that was on 15 meters. The rain was so loud on the tarp above us, I couldn't make out the signals. After a slow start I switched to 20 meters and things came to life. I spent nearly all my operating time Saturday, on 20 meters. 40 was tried later that night but there was just too much QRN and my QSO rate dropped miserably. About 10:30 local time, I had had enough of the moths and cool wind on my neck so I hit the sack. I am not a very dedicated contester.

About 7:00 AM local time, 14:00 UTC, I started back on 15 meters. On and off, throughout Sunday morning, I worked the band, up until the end of the contest. 15 was much better on Sunday morning.

When it was all said and done, I had 229 QSOs: 142 on 20 meters, 74 on 15 meters, and 13 on 40 meters. That works out to something like 2290 points. That beat my old best QSO count by about 80.

Interestingly, my QSO were mostly from with stations east of a line extending from about Louisiana to Wisconsin. The 1's and 2's were booming in. Usually, I work bunches of Colorado, New Mexico, Utah and other close-in states. Not this year, I didn't work a single Colorado, and only 1 or 2 stations in New Mexico and Utah. I think it has something to do with that "new" (secret) antenna.

After putting together that QRP-L Field Day station list last week, I didn't work a single station on that list. I did work "Doc," K0EVZ (1E), and I did hear Don, K5AAR, in Oklahoma, calling another station.

The K2 was great in nearly all ways. It desensed a bit when I came up close in frequency to K7SA, but that operation was QRO and only about a mile or two from me. Most any radio would have trouble handling that situation.

Between an enjoyable operation, and the quality time I spent with my son, this was surely one of my most enjoyable Field Day operations ever.

Best Regards, Thomas - AC7A (Tucson)

Date: Tue, 27 Jun 2000 05:14:46 -0700
From: "JC Smith" <jc-smith@worldnet.att.net>
To: <Dan.Tayloe@motorola.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [73540] Re: Radioshack.com Solar Panels
Message-ID: <001401bfe031\$4be6cee0\$8f47480c@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dan & all,

Be careful of some of these little modules. Some are designed to power 12 Volt devices directly and therefore put out less than optimal voltage for charging a 12 Volt battery. Remember, you want to see at least 15 Volts at the battery for proper charging. That's after wire and diode (if you use one) losses and after any losses from increased temperature (they get hot in the summer sun and this drops the voltage). Modules with 16 to 17.5+ Volt outputs are better chargers.

72 - JC,k0hps@amsat.org

----- Original Message -----

From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Monday, June 26, 2000 10:17 AM
Subject: Radioshack.com Solar Panels

> I noticed that radioshack.com has a solar panel for sale
> on its web site. 15v @ 125ma, \$20. Sounds great for
> us QRP types! Use it to keep 4 AH gell cell topped off
> during field expeditions.

>

> I also discovered that the local Mesa, Az Radioshack.com
> store carried a solar array designed to keep a car battery
> topped off. It was rated 12v @ 175ma and was about 2" x 12",
> \$25. It did not seem overly rugged, as the array was mounted
> in a simple plastic case. On the other hand, it was very
> lightweight. Part number 9800681. That part number does not
> seem to be in their on line catalog.

>

> - Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Mon, 26 Jun 2000 22:25:46 -0700
From: Wayne Burdick <n6kr@elecraft.com>
To: qrp-l@lehigh.edu
Cc: elecraft@qth.net
Subject: [73541] N6KR/WA6HHQ FD report
Message-ID: <v03102812b57ddd6ae941@[206.169.249.132]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

Turns out we had the entire Coe Plateau to ourselves, mostly, and the weather was the best I can remember. Eric used his sling-shot with fishing reel to put up a wire antenna some 100' long, approximately an inverted-L, about 40' at the peak. We also had an SLV (newbies: SLV = Saint-Louis Vertical, a lightweight, multi-element fiberglass fishing pole wire support, plus loading coil). We loaded both antennas on all bands with the K2's tuner so we could A/B test the two on difficult signals. Surprisingly, the vertical was better about half the time, and showed less QSB on many signals. Next year--we swear--we're brining a beam!

We used the K2 on internal battery the entire time, kept charged during the day by one of two compact solar panels Eric had brought. The solar panel was connected directly to the back of the K2, although next year we're going to add a 5-watt, 14-V zener diode across the line as insurance.

We also spent a lot of time testing the K1. Ignoring the fact that I'm biased by definition, it really worked well ;) The startling thing about switching from the K2 to the K1 is finding that you have so much more table space. The ground-mount bracket was in use in its desktop configuration (with the short arms).

Since the K1 is optimized for 5 watts CW, it draws less current (~600 mA at 5 watts), so we were able to make Q's running directly from the larger solar panel. Clouds danced overhead, causing a subtle, intriguing amplitude modulation of the signal (...just kidding!).

We didn't go for broke in making contacts this year; we settled for some 180 Q's total, then actually went to bed at a reasonable time. And we're only 42, proving you don't have to be an OT to run out of steam at FD.

I also brushed up on my VW-van-bound cooking skills. Both the van and I have limits to our versatility, but the turkey burgers turned out OK, and I made Eric eat two.

Several visitors came by, including KI6WX (John) and others. John's quite the PSK31 guy, and also quite an engineer. He designed the "Tandem Match" that has graced the ARRL Handbook for years, and he showed us the prototype itself, stashed in his motorhome. Ace local CW op Bob Warmke (W6CYX) burned up 20 m from a truly first-class card table for a couple of hours. He left right after I mentioned that I was going to cook dinner.

Late Saturday evening a half-dozen amateur astronomy buffs showed up, and we knew they were serious when 10' long reflector tubes with 12" mirrors were unloaded from several pickup trucks. Just after dark, I sheepishly asked if we should tone down our interior lights in the van. "Yes--would you, please?" they said, politely. "You're brighter than Gilroy!" (a city 10 miles away). A QRPer certainly doesn't want to be equated with the energy consumption of an entire city, so we switched from the van's overhead light to a small light taped directly to the top of the log clipboard. Out of gratitude, they gave us an astronomy lesson. We got a look at globular clusters, satellites, and the Ring nebula, as well as Uranus, Neptune, and a couple of their moons. We had a long chat about how the two hobbies are alike: we're all searching for interesting signals, but using different parts of the spectrum. Listen to two astronomers toss around star and galaxy ID numbers sometime--it sounds remarkably like the "How's DX" column in QST.

Finally, just to give you an idea of what the road to Henry Coe is like: Eric was trapped behind a crew of house movers for TWO HOURS enroute as they tried to extricate themselves from a hair-pin turn. They gave up, apparently, and decided to leave the stuck half of the house right there on the side of the road. By the time I drove by a while later, a mailbox and For Sale sign had been installed.

73,
Wayne
N6KR

Date: Tue, 27 Jun 2000 01:24:14 -0400
From: "sergio" <sergio@village-buzz.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [73542] circuit board material...
Message-ID: <015701bfdff7\$ef726130\$9d7dd4cd@sergio>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

here is a link with all the pertinent info, as i have been inundated with requests..

<http://www.village-buzz.com/circuits.htm>

the only thing i ask is that you drop me an email when you send a check so i have some idea of how many orders will be coming..

thanks!

peace,
sergio
<http://www.village-buzz.com>
"quoting other people is really lame and unoriginal.." ...sergio

Date: Mon, 26 Jun 2000 22:32:27 -0700
From: "John Moriarity" <k6qq@hdo.net>
To: <resmith666@uswest.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [73543] Re: Rich Man's Hobby?
Message-ID: <00cb01bfdff9\$15968520\$e0424cd1@k6qq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> You guys pick -- obviously I don't see where the money is going to
come
> from!

Hi Ron,

I'm retired and on a fixed income too.
If you really want a K2, you'll find a way.
For instance, I assembled one for somebody
else, and put that money toward *my* K2.
72,

John, K6QQ

Alturas, CA, at the corner of 299 & 395.

Date: Wed, 28 Jun 2000 01:02:08 -0500
From: "Jerry Scherkenbach" <jerrys@execpc.com>
To: <w8erv@email.msn.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [73544] Re: CMOS III information
Message-ID: <007301bfe0c6\$76f6dea0\$1d45cfa9@Pjerrys>

With regard to the CMOS III.....I recently finished one up and used a 9v battery and the 7805 regulator as a power source. About one week later the 9v battery was dead (down to just over 3 volts). Has anyone else experienced this ????? My older CMOS II, which does not have a regulator runs off of 4 AA batteries and they last about 1.5 years !!!!! The CMOS II goes to "sleep" after some very brief period of inactivity and only draws 40 microamps as I recall. I searched the CMOS III booklet and do not find any mention of the amount of low current draw during sleep periods. Anyone know if/what the CMOS III draws during receive?

72
Jerry N9AW

----- Original Message -----
From: J. Ervin Bates <w8erv@email.msn.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Monday, June 26, 2000 12:31 PM
Subject: CMOS III information

> Thanks to the guys for their SPEEDY response. I have an email in to
> Marshall as we speak and hope to have the enclosure by mid week, next
> week.....maybe. ;-)

>
> 72,
> Erv W8ERV
>
> HamFair2000 is coming...ask me about it!
> "Dare to Dream-It Sets Your Spirit Free!"
> -----
> 10-10# 70639 - QRP-ARCI# 9702 - SOC# 41
> QRP-L #1569 - NorCal Zombie #236 - Worked All
> El Paso #033/1999 - Member, MI DX Assn.
> MI QRP Club, M-1688 - FPqrp- 50 - Member ARRL
> Rag Chewers' Club - WAC -
>

>
>
>
>

Date: Mon, 26 Jun 2000 20:20:01 -1000
From: "Art Neilson, WH7N" <art@pilikia.net>
To: jerrys@execpc.com
Cc: qrp-1@lehigh.edu
Subject: [73545] Re: CMOS III information
Message-ID: <3.0.6.32.20000626202001.00ba1710@pilikia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

use 3 AA's in one of those el cheapo RS carriers and bypass
or remove the regulator. The regulator sucks the battery
big time.

At 01:02 AM 6/28/00 -0500, you wrote:

>With regard to the CMOS III.....I recently finished one up and used a 9v
>battery and the 7805 regulator as a power source. About one week later the
>9v battery was dead (down to to just over 3 volts). Has anyone else
>experienced this ????? My older CMOS II, which does not have a regulator
>runs off of 4 AA batteries and they last about 1.5 years !!!!! The CMOS II
>goes to "sleep" after some very brief period of inactivity and only draws 40
>microamps as I recall. I searched the CMOS III booklet and do not find
>any mention of the amount of low current draw during sleep periods. Anyone
>know if/what the CMOS III draws during receive?

>
>72
>Jerry N9AW

>
>
>----- Original Message -----
>From: J. Ervin Bates <w8erv@email.msn.com>
>To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
>Sent: Monday, June 26, 2000 12:31 PM
>Subject: CMOS III information

>
>
>> Thanks to the guys for their SPEEDY response. I have an email in to
>> Marshall as we speak and hope to have the enclosure by mid week, next

```
>> week.....maybe.  ;-)  
>>  
>> 72,  
>> Erv W8ERV  
>>  
>> HamFair2000 is coming...ask me about it!  
>> "Dare to Dream-It Sets Your Spirit Free!"  
>> -----  
>> 10-10# 70639 - QRP-ARCI# 9702 - SOC# 41  
>> QRP-L #1569 - NorCal Zombie #236 - Worked All  
>> El Paso #033/1999 - Member, MI DX Assn.  
>> MI QRP Club, M-1688 - FPqrp- 50 - Member ARRL  
>> Rag Chewers' Club - WAC -  
>>  
>>  
>>  
>>  
>>  
>  
>  
>  
>  
--
```

```
  /  )    _/_  It is a capital mistake to theorise before one has data.  
 /--/  __  /    Insensibly one begins to twist facts to suit theories,  
/  (_/  (<__  Instead of theories to suit facts.  
                -- Sherlock Holmes, "A Scandal in Bohemia"
```

Arthur W. Neilson III, WH7N - FISTS #7448
Bank of Hawaii Tech Support
<http://www.pilikia.net>
art@pilikia.net, aneilson@boh.com, wh7n@arrl.net

```
-----  
Date: Mon, 26 Jun 2000 23:21:59 -0700 (PDT)  
From: Joe Stodgel <joe_stodgel@yahoo.com>  
To: medic361@webtv.net, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [73546] Re: walt amos k8cv  
Message-ID: <20000627062159.1024.qmail@web1404.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii
```

Dwayne,
Ok, fair enough. But in defense of Walt, I put out a
general request for help with a kit I was torturing
and Walt came back real fast with the answer to my

problem. Walt is a big kidder and may have been pulling your leg.

73

joe K6JS

--- medic361@webtv.net wrote:

> Last week I asked a question on the reflector and
> got many helpful
> replies and would like to thank all that replied.
> Today i received a
> reply from Walt Amos k8cv. his message was neither
> helpful or relavant.
> he asked why i would take advice from all you fools.
> i told him in no
> uncertain terms that his opinion was a waste of time
> and to hve agood
> coronary ischemia . i hope you all have a good day
> and thanks again for
> all your help.
>
> 73,
> Dwayne ke4rvt
>

Do You Yahoo!?

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Date: Tue, 27 Jun 2000 02:33:58 -0400
From: "sergio" <sergio@village-buzz.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [73547] more circuit info..
Message-ID: <01ca01bfe001\$ad4da800\$9d7dd4cd@sergio>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

i just updated that page to reflect the fact that i can also accept payment via paypal.com ..

it is a system that allows users to make credit card transactions free from all surcharges.. i have used it for some time on ebay, and have never had a problem with it..

if it is easier, you can use this system..

i think you get five free bucks by signing up..

if you sign up, please use my email as a reference:

sergio@village-buzz.com

and i think i get five bucks, too.. i think..

anyway..

if you use this system, please send your address in the confirmation email..

thanks, kids..

peace,

sergio

<http://www.village-buzz.com>

"quoting other people is really lame and unoriginal.." ...sergio

Date: Tue, 27 Jun 2000 03:58:01 -0400 (EDT)

From: Bob Patten <n4bp@bc.seflin.org>

To: QRP-L Reflector <qrp-l@lehigh.edu>

Subject: [73548] QRP-L CD Version 3 - Weekly Friday Repost (long) (fwd)

Message-ID: <Pine.3.89.10006270324.A23975-01000000@bc.seflin.org>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I didn't see Jim's post of this over the weekend, so here's the info:

Greetings from the QRP-L CD Providers, now communicating in one consolidated message to keep traffic on QRP-L to a minimum. We will post once a week until the end of June and then once a month for a while.

QRP-L CD Version 3.0 CD-ROM (Editor - WB8RCR, John McDonough)

Overview from the QRP-L CD:

Well, it's finally here! Version 3 of the QRP-L CDROM, and since version 2, we've had a lot of changes on the list, the startup of QRP-F, a much more active and aggressive QRP ARCI, and a new millennium! This CD contains the entire QRP-L archive for the 20th century,

as well as a few months of the 21st. (1993 through sometime in April 2000)

Much of the material for this one is the same as Volume 2, except, of course, for the updated archives. If you have anything you can contribute, please send it along to WB8RCR <mailto:wb8rcr@arrl.net> for the next release. I'm sure your fellow QRPers would appreciate your sharing.

WB8RCR has included the latest version of QSLMaker - And also in the QSLMaker directory is a set of new background bitmaps. These are especially for ARCI members (QRP Amateur Radio Club International) who want to display the ARCI logo on their card.

There are links to the HTML directories and the QRP-L archives.

- ** QRP-L Archives
- ** Chuck Adams, K7QO, pictures
- ** Glen Leinweber, VE3DNL, Elmer101 Web Page
- ** KB0HQU's Pixie and SMiTe files
- ** NEC2 - The NEC antenna design program
- ** PCPGMS - Misc Utilities
- ** RUFZ - The RUFZ morse code program
- ** SPICE - Spice modeler and many of the models included
- ** WB8RCR - QSLmaker and some graphics - The latest version
- ** and much more

=====

How to get your own Version 3 copy of the QRP-L CD.

=====

There are four people ready to take orders for the QRP-L CD Version 3, dated May 7, 2000.

They can supply a blank CD or accept one from you.

Plan A: Your blank CD

Put a blank CD in one of those plastic sleeves (i.e. don't send the jewel box). Put this CD in a sturdy cardboard mailer. Put your mailing address on the mailer. Put postage on the mailer. (Typical postage is 77 cents in the USA, though if you use a bubble mailer or one of those thick padded mailers it might be more.) Now put this mailer into a larger (of course) mailer addressed to one of the Providers (see below). Write your name AND email

address on a small slip of paper and enclose it as well.

Plan B: Provider provides the blank CD

Send a check for \$10 USD payable to one of the providers (see below).
\$10 USD will cover the QRP-L CD for International as well as domestic.
Please enclose a self-adhesive mailing label with your mailing address.
Write your name AND email address on a small slip of paper and enclose
it as well. If you don't have a self-adhesive label just put your
mailing address neatly on a piece of paper so that we can cut out
and tape to the package.

Send your package or envelope to:

Jim Larsen, AL7FS mailto:al7fs@pobox.alaska.net
3445 Spinnaker Drive
Anchorage, AK 99516-3424 OR

Michael Bower, N4NMR mailto:bowerm@ix.netcom.com
43304 Wayside Circle
Ashburn, VA 20147-4621 OR

Bob Patten, N4BP mailto:n4bp@bc.seflin.org
2841 N.W. 112 Terrace
Plantation, FL 33323 OR

Michael Gipe, K1MG mailto:mgipe@reliablemeters.com
12770 Lika Ct
Saratoga, CA 95070

Upon receipt, We will email you to confirm receipt of your package--IF
you remembered to enclose your email address :-)

Plan C: You can use PayPal and we provide blank CD.

PayPal Information - Three of the providers are set up for PayPal -
AL7FS, N4NMR and K1MG.

PayPal accounts are now available that the Providers can use to receive
payment by MasterCard or Visa. PayPal is available at
<http://www.PayPal.com>

If you would like a new PayPal account you can use these links to get
there.

AL7FS as referral:

<https://secure.paypal.com/refer/pal=al7fs%40pobox.alaska.net>

N4NMR as referral:

<https://secure.paypal.com/refer/pal=bowerm%40ix.netcom.com>

K1MG as referral:

<https://secure.paypal.com/refer/pal=mgipe%40reliablemeters.com>

Feel free to use one of our address as the referring party if you do set up a new account. :-)

Use ONE of the below email addresses as the PayPal account numbers for the transmission of the \$10 USD.

	Pay Pal Account numbers
Jim Larsen, AL7FS	al7fs@pobox.alaska.net

Michael Bower, N4NMR	bowerm@ix.netcom.com
----------------------	----------------------

Michael Gipe, K1MG	mgipe@reliablemeters.com
--------------------	--------------------------

If you choose to use PayPal you need to email the Provider also with your information as follows:

General Guidelines

Email Subject:

** QRP-L CD order from (your call) via PayPal

Text:

** Repeat your PayPal email address

** Provide your mailing Name and address

** Add any other comments on the bottom of the message as needed.

International Mailings

It looks like the package will weigh less than 3 ounces. The \$10 USD will cover the International postage just fine.

Therefore, \$10 USD will cover the QRP-L CD for International as well as domestic USA.

Upon receipt or Check or PayPal or blank CD, the Provider will email you to confirm receipt and suggest how long it will take to get the CD off to you.--IF you remembered to enclose your email address :-)

Websites with the QRP-L CD information are available at:

<http://www.qsl.net/al7fs/> OR

<http://www.qsl.net/n4nmr/qrpplcdvol3.html/>

Questions? Send email to me at <mailto:AL7FS@pobox.alaska.net> or to any of the other Providers. Please make the subject line: QRP-L CD Question from (your callsign).

73, Jim, AL7FS
on behalf of AL7FS, N4NMR, N4BP and K1MG

--

Jim Larsen, AL7FS <http://www.qsl.net/al7fs/>
Anchorage, Alaska <mailto:al7fs@pobox.alaska.net>
QRP ARCI #6754 Check out <http://www.qrparci.org/>

=====

Date: Tue, 27 Jun 2000 07:59:24 +0100
From: "Richard C. Arzadon" <n8xi@juno.com>
To: n4js@pobox.com
Cc: qrp-l@Lehigh.EDU
Subject: [73549] Re: Mu?
Message-ID: <20000627.075926.-304155.0.n8xi@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang,
>From Radio Servicing second edition 1948,1954.

Greek letter mu (μ)
A change in grid voltage will produce a change in plate current.
So will a change in plate voltage. To produce a certain plate-current change, a smaller grid-voltage than plate-voltage change is needed.
The ratio of the plate-voltage change to grid-voltage change (the plate current being the same in both cases) is called the Amplification Factor.

Now, the current change in my 807 is.... 'half-empty'

72, Rick - N8XI

=====

On Mon, 26 Jun 2000 21:17:09 -0400 (EDT) "John L. Sielke"
<n4js@pobox.com> writes:
> OK, I am having a brain fart...

>
> Mu is a unit of?
>
> (Besides being 12th letter of Greek alphabet, etc...

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 27 Jun 2000 09:29:44 +0100
From: "Mel Evans" <mel@euramcom.freemove.co.uk>
To: <k5oi@zianet.com>
Cc: <qrp-1@lehigh.edu>
Subject: [73550] Re: Mu?
Message-ID: <000201bfe013\$36ca6ee0\$643c883e@dsnqutvf>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

ISTR that there was a "stuff" called Mu-metal which was used in early CRT
(Cathode Ray Tubes) as an external screen in 1945 ish early radar type sets.

I remember this as my Dad and I built our first TV using one of these
(green) longish persistence tubes from such a piece of kit. The effect on
movement onscreen would have qualified for an immediate music video "oscar"
nowadays, every motion produced greenish tail which followed the track of
the movement.

We did eventually get our hands on short persistence tube which made the
thing watchable at least!

Sigh!, Reminisce!, Good Ole Days! and all that stuff.

BTW, today will be somebody's "Good Old Days" twenty years from now, no
matter how bad we think it is compared to ours!

Regards

Mel
GM6JAG
Edinburgh, Scotland UK
Home of the last HW9

-----Original Message-----

From: Tim Pettibone <k5oi@zianet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: 27 June 2000 05:13
Subject: Re: Mu?

>Hey this is better than the endless threads about CW/bugs/old
>geezers/antenna selection/...ad nauseum. At least it is (kinda) related to
>QRP!
>
>mu is (I believe) the unit of permeability. The reciprocal of resistance,
>conductance, measured in siemens. Now to run to my bookshelf and see if
>I'm right.
>
>Tim K5OI
>QRP-L# 73, K2 # 63
>
>
>

Date: Tue, 27 Jun 2000 03:12:02 +0100
From: "Walt Amos" <k8cv@worldspy.net>
To: <qrp-l@lehigh.edu>
Subject: [73551] Fw: Mu?
Message-ID: <000401bfe012\$012fb480\$34301440@waltamos>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It's what a cat says at dinner time.

----- Original Message -----

From: "Bob Nielsen" <nielsen@oz.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, June 27, 2000 03:45
Subject: Re: Mu?

> On Mon, Jun 26, 2000 at 07:18:41PM -0700, Bob Nielsen wrote:
> > On Mon, Jun 26, 2000 at 09:17:09PM -0400, John L. Sielke wrote:
> > > OK, I am having a brain fart...
> > >

> > > Mu is a unit of?
> > >
> > > (Besides being 12th letter of Greek alphabet, etc...
> >
> > Sticking my neck out (no fair looking at a textbook), I believe it is a
> > unit of permeattivity (sp?)
>
> As Steve said, permeability. I guess I was somewhat close (but that
> only counts on the soc mailing list).
>
>

Date: Tue, 27 Jun 2000 06:58:18 -0400
From: tom palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [73552] Worst Call Sign?
Message-ID: <395888CA.692EA370@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, QRP-Lers.

New Thread?

Something I ponder (briefly) from time-to-time:

Q: What is the worst call sign you've ever had?

I was once KF4NK. Next to impossible phonetics and because of the "K" at the end, many CW ops thought my call was KF4N and the "K" at the end meant "back to you" I'm glad I was KF4NK for only 144 QSOs. My next call - WX4V - was a major improvement and a pleasant surprise, to say the least.

I'd be very interested in reading your sob story re: Your WORST call sign ever.

Best regards to all,

Tom, N1TP
Naples, FL.
QRP-L # 1,317
:

Date: Tue, 27 Jun 2000 05:27:11 -0700
From: Roger J Wendell <zeekzilch@juno.com>
To: qrp-1@Lehigh.EDU
Cc: w6abc@yahoo.com
Subject: [73553] Congrats on k2 to Australia w/ 500Mw
Message-ID: <20000627.052717.-347815.0.zeekzilch@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

"Happy Dance" approval and congrats to Jack (WA6BC) for working VK3CB
with only a half watt SSB - right on!

It was, however, making me wonder how we're all measuring our output
power these days? In the "old" days (I'm QRP ARCI #3787) I used a solid
50 ohms, 600 MHz RF probe and a digital VOM accurate to the thousandth
decimal point (a slight exaggeration here...). Anyway, nowadays I'm
using an Oak Hills Research WM-1 and it's simply fantastic (although I
did add my own LED battery indicator). I've heard (but not seen) that
the newer Oak Hills WM-2 is even better. Are people using these and are
they useful on SSB (a mode I have no experience in)? If not Oak Hills,
is there another suitable meter out there?

So curious I may even try SSB...

72s

WB0JNR
CQC #7
<http://www.rogerwendell.com>

-
--

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 27 Jun 2000 07:41:51 -0400
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrp1_Submit (E-mail)" <qrp-1@Lehigh.EDU>, "klqrp_submit (E-mail)"
<klqrp@waterw.com>
Subject: [73554] North Gergia QRP Club NQ4RP has a Great Field Day Experience
Message-ID: <66FCE0D1DF76D311913800805F6D0FA3D85841@mailserver1.usan.com>
MIME-Version: 1.0
Content-Type: text/plain

Group: North Georgia QRP Club
Location: SE of Flowery Branch, GA (~40 miles NE Atlanta) Dr. Long's Farm

Team NOGA:

Russ/AE4NY
Tom/K4TJD
Rick/K4RAB
Mike/K04WX
Sam/AE4GX
Jim/AD4J
Chuck/AF4PP

We had two guest ops: John Burnley/NU0V and Dick Bentley/ K2UFT.

We didn't start setup until around 10:30 AM and were in operational status
by 2:00PM (FD start time). I don't think we actually got going until an hour
later.

Basic Setup:

HF #1 position K2 Antennas: 87 ft W3EDP long wire or Parking Lot
Portable Vertical.

HF #2 position INDEX Antennas: 44ft doublet with 30 ft open line feeder
(w/RG174) (ZM-2) or reel dipole

VHF position MFJSSB 6m Antenna: 3 el yagi at 30 ft. Armstrong
rotator.

A 30 Ft guyed portable Mast served the Yagi, Doublet, and reel dipole. We
had room for one more antenna but didn't need it.

Prime antennas: W3EDP 87 ft wire running West at about 20 ft.
Doublet/reel dipole at 29 ft
3 element Yagi at 30 ft

Backup antennas: Coax J-pole, St. Louis Vertical w/W6MMA coil MODs.
Backup rigs: INDEX, Sierra, DSW20,SMK,Argorsy,10mtrVectronics.

The operating tent had two tables. One for the HF setups and logging PC
and the other for 6MTR setup backup HF gear and another logging PC.

Putting the NOGA banner to good use.
<http://ae4gx.home.mindspring.com/NOGAinbusiness.jpg>

The Hosts' view of our stuff
http://ae4gx.home.mindspring.com/NQ4RP_bigpix.jpg

Visiting Op John Burnley NU0V takes a turn on the K2
<http://ae4gx.home.mindspring.com/TeamhelpingJohn.jpg>

Just before sundown.
<http://ae4gx.home.mindspring.com/FDsunset2.jpg>

Now where are the logs????????????

In the next week or so we'll put up a composite of stories and pictures from
the NOGA Team.

Sam Billingsley AE4GX Atlanta, GA
personal web page at <http://ae4gx.home.mindspring.com/>
North Georgia QRP Club web page at <http://www.qsl.net/nogaqrp/>

Date: Tue, 27 Jun 2000 07:24:24 -0500
From: "Bradfield, Brad V." <BBradfield@spectrapoint.com>
To: "'QRP-L'" <qrp-l@lehigh.edu>
Subject: [73555] FIELD DAY OBSERVATION
Message-ID: <8D9A3E0C6F42D1118EDC0060081D3FFA02DD9C22@ucusmail.spectrapoint.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hey y'all - -

Am I the only one that noticed that there seemed to be a huge increase =
in

Date: Tue, 27 Jun 2000 08:28:07 -0400
From: "Lau, Zack, W1VT" <zlau@arrl.org>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [73557] Re: Rich Man's Hobby
Message-ID: <125490A005E3D3118C9C00805FC743CC8D9B23@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

If you take that dipole up to a hill with steeply sloping ground and get it up to a quarter or half wavelength you will have a fantastic DX antenna. Not only will you have a very low angle of radiation, but unlike a high beam, you won't get as many sharp nulls in the vertical radiation pattern.

Katashi Nose said his FB-7 receiver set him back 4 months pay! He worked as a high school teacher just before WWII. Jack Wada, KH6LG got \$800 for his station that was confiscated for the war effort. I think rigs were more expensive before the war.

<http://www.chem.hawaii.edu/uham/qcwa.html>

--Zack Lau W1VT

Date: Tue, 27 Jun 2000 08:44:33 -0400
From: "Lau, Zack, W1VT" <zlau@arrl.org>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [73558] Re: Antenna Selection Guidance
Message-ID: <125490A005E3D3118C9C00805FC743CC8D9B24@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I chose an off center fed dipole for FD. Not only did it have a reasonable SWR for low coaxial line loss on 40, 20, 15, and 10 meters, but it even worked on 75 and 80 meters. Designing a good balun isn't hard for an RF engineer with a lab full of test equipment--Zack W1VT

Date: Tue, 27 Jun 2000 09:10:13 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [73559] Re: Antenna Selection Guidance
Message-ID: <009801bfe039\$0aca48d0\$2d0a05cc@rochester.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> I chose an off center fed dipole for FD. Not only did it have a
> reasonable SWR for
> low coaxial line loss on 40, 20, 15, and 10 meters, but it even worked on
75
> and 80 meters.

Zack,

Can you give us the details?

Dave

> Designing a good balun isn't hard for an RF engineer with a lab full of
test
> equipment--Zack W1VT

Date: Tue, 27 Jun 2000 06:16:56 -0700 (PDT)
From: Curt Milton <wb8yyy@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [73560] Re: Antenna Selection Guidance - OCF Dipole
Message-ID: <20000627131656.27663.qmail@web2006.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Well, the intent of the article was to aid beginners
... i use a ladder line fed OCF dipole at the home QTH
not for technical reasons - but it keeps the feedline
near the shack. one end is about 66 feet long (was
half of center fed at the old QTH) and the other end
is enough wire to reach the back of the property -
probably about 120 feet or so. I run this into an MFJ
tuner thru its internal 4:1 balun. I use this mostly
on the low bands 80, 40 and 30 meters plus it does
load up on 160m.

I did have to treat the paddle cable of my Tick keyer with a ferrite to prevent feedback from RF radiation (i think on 30 meters where my ground connection is electrically too long) but other than that it is a workable antenna. still i can concur with the wisdom of not using this as a first antenna unless elmers are around to provide any needed remedies.

Curt WB8YYY

--- "Lau, Zack, W1VT" <zlau@arrl.org> wrote:
> I chose an off center fed dipole for FD. Not only
> did it have a
> reasonable SWR for
> low coaxial line loss on 40, 20, 15, and 10 meters,
> but it even worked on 75
> and 80 meters.
> Designing a good balun isn't hard for an RF engineer
> with a lab full of test
> equipment--Zack W1VT

Do You Yahoo!?

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<http://mail.yahoo.com/>

Date: Tue, 27 Jun 2000 09:31:40 EDT
From: W1R0@aol.com
To: n1tp@worldnet.att.net, qrp-l@lehigh.edu
Subject: [73561] Re: Worst Call Sign?
Message-ID: <75.60725e9.268a06bc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

My worst callsign was as a Novice without an Elmer as WH6IGX. I couldn't figure out what was wrong with my HW-7. Everytime I heard a station of the lower 48 states on the air. I try to work em. After working them I'd get a loud buzzing sound in my radio for about 30 seconds then all would be quiet. I'd call CQ and the same buzzing sound appeared in my radio. The repeated buzzing sound after each CQ in the novice band was driving me nuts and I couldn't get anyone to answer me. After the 1 year license expired I moved from Hawaii to Maryland and got relicensed. It seemed the radio fixed itself. Now when I called CQ someone acutally came back to me. After explaining the

buzzing situation to an "Old geezer" running a Viking setup, he told me the buzzing was called a pileup!!! Of course then he had to explain PILEUP!

Jim

W1RO/7

Date: Tue, 27 Jun 2000 09:30:58 -0400
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.edu>
Subject: [73562] RE: Worst Call Sign?
Message-ID: <125490A005E3D3118C9C00805FC743CC3E1EE6@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

My worst call sign was WN1CYF. Hardly gets any tougher than that on CW. :-)
It was no better as a General -- WA1CYF just reversed a dit and a dah.

My only consolation is that as a 14 year old, I could say "We Are One Crazy Young Fellow." :-)

73,
Ed Hare, W1RFI
ARRL Laboratory Supervisor
225 Main St
Newington, CT 06111
Tel: 860-594-0318
FAX: 860-594-0259
Internet: w1rfi@arrl.org
ARRL Web: <http://www.arrl.org>
ARRL Technical Information Service: <http://www.arrl.org/tis/>

-----Original Message-----
From: tom palmer [mailto:n1tp@worldnet.att.net]
Sent: Tuesday, June 27, 2000 6:58 AM
To: Low Power Amateur Radio Discussion
Subject: Worst Call Sign?

Hi, QRP-Lers.

New Thread?

Something I ponder (briefly) from time-to-time:

Q: What is the worst call sign you've ever had?

I was once KF4NK. Next to impossible phonetics and because of the "K" at the end, many CW ops thought my call was KF4N and the "K" at the end meant "back to you" I'm glad I was KF4NK for only 144 QSOs. My next call - WX4V - was a major improvement and a pleasant surprise, to say the least.

I'd be very interested in reading your sob story re: Your WORST call sign ever.

Best regards to all,

Tom, N1TP
Naples, FL.
QRP-L # 1,317
:

Date: Tue, 27 Jun 2000 09:30:03 -0400
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: <zeekzilch@juno.com>
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [73563] RE: Australia w/ 500Mw
Message-ID: <000001bfe03b\$cd92b760\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Roger:

SSB on QRP is quite a bit of fun, and I say that as a diehard CW op. On SSB you get to hear the astonishment, admiration, and excitement in the other operator's voice when you tell him you're running 1.5 watts out to a dipole. It's always amazing.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

PS - Here's a list of countries I've worked since March. These represent an effort to get the DXCC 2000 award using 1.5 watts USB and a doublet.

As of June 15, 2000:

3B8 Mauritius
4K Azerbaijan
4L Georgia
4X Israel
9A Croatia
9K Kuwait
CE Chile
CO Cuba
CT Portugal
CU Azores
DL Germany
EA Spain
EI Ireland
EK Armenia
ER Moldova
ES Estonia
EW Belarus
F France
FY French Guiana
G England
GW Wales
HA Hungary
HB Switzerland
HB0 Liechtenstein
HI Dominican Republic
HK Colombia
HP Panama
I Italy
J6 St. Lucia
JW Svalbard
W USA
KG4 Guantanamo Bay
KL7 Alaska
LA Norway
LU Argentina
LX Luxembourg
LY Lithuania
LZ Bulgaria
OA Peru
OE Austria
OH Finland
OK Czech Republic
OM Slovakia
ON Belgium
OZ Denmark
P4 Aruba
PJ4 Curacao
PJ5 St. Maarten

PY Brazil
S5 Slovenia
SM Sweden
SP Poland
SV Greece
T9 Bosnia
TA Turkey
TK Corsica
UA European Russia
UA0 Asiatic Russia
UN Kazakh Republic
UR Ukraine
V3 Belize
V4 St. Kitts
VE Canada
VP9 Bermuda
YL Latvia
Y0 Romania
YU Yugoslavia
YV Venezuela
Z3 Macedonia
ZF Cayman Islands
ZS South Africa

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Roger J Wendell
Sent: Tuesday, June 27, 2000 8:27 AM
To: Low Power Amateur Radio Discussion
Subject: Congrats on k2 to Australia w/ 500Mw

"Happy Dance" approval and congrats to Jack (WA6BC) for working VK3CB with only a half watt SSB - right on!

It was, however, making me wonder how we're all measuring our output power these days? In the "old" days (I'm QRP ARCI #3787) I used a solid 50 ohms, 600 MHz RF probe and a digital VOM accurate to the thousandth decimal point (a slight exaggeration here...). Anyway, nowadays I'm using an Oak Hills Research WM-1 and it's simply fantastic (although I did add my own LED battery indicator). I've heard (but not seen) that the newer Oak Hills WM-2 is even better. Are people using these and are they useful on SSB (a mode I have no experience in)? If not Oak Hills, is there another suitable meter out there?

So curious I may even try SSB...

72s

=3D=3D=3D=3D

Brad Bradfield, PE
(ex WB=D8CGH)

W5CGH

Test Staff Engineer
SpectraPoint Wireless LLC

Date: Tue, 27 Jun 2000 08:48:19 -0500
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [73565] RE: Worst Call Sign?
Message-ID: <000001bfe03e\$5ac83e50\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I don't know about worst but when I was in high school our club station was WB5LVI. When I got my novice call, WN5RUE, it was difficult not to confuse the two.

RUE .-. ...- .
LVI .-...- ..

Only one dit difference in each letter. It was also difficult not to send RF .-. ...-.

72/73
Kevin, WB5RUE

Date: Tue, 27 Jun 2000 09:55:13 -0400
From: Jake Brodsky <frussle@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [73566] Re: Worst Call Sign?
Message-ID: <73chlscadbphmpmlg4l1ek1grevrplkltl@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Tue, 27 Jun 2000 06:58:18 -0400, Tom, N1TP wrote:

>Q: What is the worst call sign you've ever had?
>

>I was once KF4NK. Next to impossible phonetics and because of the "K" at

>the end, many CW ops thought my call was KF4N and the "K" at the end
>meant "back to you" I'm glad I was KF4NK for only 144 QSOs. My next
>call - WX4V - was a major improvement and a pleasant surprise, to say
>the least.

>

>I'd be very interested in reading your sob story re: Your WORST call
>sign ever.

I was WN3ZOQ once upon a time. Things rapidly deteriorated when I got my General license. Then I became WA3ZOQ. No improvement there. The worst case happened once on Field day, just after I'd upgraded to Extra. Back then, if one was operating a station licensed to a lower class of operator on frequencies you were licensed for, you had to use the station call sign/your call. So Field day was run by an Advanced class licensee station. At the time I was WA3ZOQ/WN.

The whole call on extra class frequencies was K3CEZ/WA3ZOQ/WN. One could have gone for lunch while the keyer was busy sending a CQ with that call sign.

And folks wonder why I stick with my 2x1 call...

73,

Jake Brodsky, <mailto:frussle@erols.com>

"Nearly fifty percent of all graduates came from=20
the bottom half of the class."

Date: Tue, 27 Jun 2000 09:08:18 -0500
From: Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [73567] Re: Rich Man's Hobby?
Message-ID: <3958B551.7C55CD6E@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Certainly, spending money on anything is a question of priorities,
just like spending TIME on anything.

People used to ask me how I could afford to own multiple home computers back in the days when they were expensive items. The answer wasn't hard, but often they still didn't get it: I did NOT own a color television, or a VCR, or expensive shoes. I drove a 15 year old compact car. I did not consume expensive scotch or eat at \$25-a-plate restaurants. You focus

your resources on what is important to you, and sometimes have to decide which thing is more important. Sometimes you have to save up a little at a time over a number of months or years before you can get that expensive item.

This should seem obvious, but apparently it isn't. Ham radio is certainly not a "rich man's hobby". Certain aspects of it may be so: moonbounce, big gun contesting, heavy duty satellite work come to mind (and someone is bound to tell me they did those on a shoestring too.) I enjoyed operating for years with an HW-8 and a wire antenna. I have a fairly recent Kenwood now because I saved up for it and bought it new at a sale price when that model was going out. My total cash investment in ham radio is very low compared with my income over the last 20 years, but that is because I have placed certain other priorities above it and focused my resources there.

As far as I can see, anyone could do the same. The real sense in which any hobby is expensive would be the TIME it requires. The more limited a person's income is, in many cases, the more time they have to spend just on earning that income and making ends meet. All hobbies that do not produce income would suffer equally under those circumstances.

A wire antenna can be constructed for under \$20, perhaps for free if you are a good scrounger. Perfectly workable older rigs can be had for well under \$200, because I've owned some of those and used them. Kit building or homebrewing can reduce the total cost even more. It only becomes a "rich man's hobby" if you get caught up in some kind of competition to outdo some other guy who has more money than you do. But like the joke about the Internet, where nobody knows if you are a dog, on the air nobody can tell whether your CW is coming from a well-built tin can homebrew job or a \$2000 transceiver.

Sure, Bill Gates could buy a better station than most of us, but the real spirit of ham radio lies in skill, creativity, and our own resourcefulness, not in bragging about who has the shiniest or the biggest toys.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Tue, 27 Jun 2000 10:11:00 EDT

From: Macstein@aol.com
To: qrp-1@lehigh.edu, elecraft@qth.net
Subject: [73568] Good ops and good antennas - mobile!
Message-ID: <e4.6d171f6.268a0ff4@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I was listening in on 20 meters last night with the K2 and infamous attic dipole... I heard K7FD/M. I thought. "WAY COOL, but I'll never get him." John was mobile and trying out the W6MMA PW-1 with his TS-50s in the car (Next time we'll do K2 to K2!) on the Oregon coast.... I use an indoor dipole antenna in Odessa, FL near Tampa.

I gave John an HONEST 599 at peaks and as he drove it would drop to 579. He indicated that I was peaking 579 with the K2 at 5 watts. This told me three things:

- 1) John is WELL known as a good op, and this confirmed it for me, copying my first mobile is pretty darned impressive!
- 2) Condx were pretty good even though the band had a squishy, warbley "feeling".
- 3) I'm going to order one of Vern's PW-1 antennas for the Explorer.

THANKS A TON K7FD!

-MAC-
AF4PS
Odessa, FL
QRP-L #704, NorCal #1998, ARRL, ARCI #9843, SOC #28, Whiners #5, Flying Pig #51, FISTS #5096, HI QRP, AR QRP, West FL QRP, K2 #643 and other assorted \$15 annual fees

Date: Tue, 27 Jun 2000 07:13:34 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [73569] Re: OT Possibly dumb question but Ham Radio Related
Message-ID: <Pine.GSO.4.10.10006270706540.11371-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Here is something that I haven't seen mentioned in this "Which sideband to use" thread.....

Many of the transcievers let you use either USB or LSB
when in the CW mode.

This can be a VERY handy feature for fighting QRM.

And it's also a simple way to make sure that you are
"Zero Beat" with the other station.....just switch between
USB and LSB. When you are tuned to "Zero Beat" there will
not be any change in the tone you hear when you go from
USB to LSB. :-)

OK, back in my hole.....

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

Date: Tue, 27 Jun 2000 10:44:54 -0400
From: Rick Sealey <rsealey@InfoAve.Net>
To: w1rfi@arrl.org
Cc: qrp-l@lehigh.edu
Subject: [73570] RE: Worst Call Sign?
Message-ID: <4.1.20000627103442.0098bcb0@mail.infoave.net>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

Yeah, but maybe as bad (if not worse), I was once, WA4HVVH. Actually, it was
pretty rhythmical - just time consuming, and a bear on a straight key! I
never had the guts to use the phonetics I picked out.

Rick - W4SEA
High Point, NC

At 09:30 AM 06/27/2000 -0400, you wrote:

>My worst call sign was WN1CYF. Hardly gets any tougher than that on CW. :-)

>It was no better as a General -- WA1CYF just reversed a dit and a dah.

>

>My only consolation is that as a 14 year old, I could say "We Are One Crazy
>Young Fellow." :-)

>

>73,

>Ed Hare, W1RFI
>ARRL Laboratory Supervisor

Date: Tue, 27 Jun 2000 07:49:17 -0700 (PDT)
From: Curt Milton <wb8yyy@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [73571] RE: Worst Call Sign?
Message-ID: <20000627144917.29727.qmail@web2003.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I (still) have one of the longest call signs in north america (maybe anywhere), particularly in CW. when I upgraded from WN8YYY (actually the FCC did away with the N's before i upgraded), my call got longer!

on phonetics it ain't much better, particularly to folk in 4 and 5 land. and on my family tree 3 of the 4 civil war vets (determined so far) served for the confederacy.

we all have distinctive calls (by definition!), and they all give us priveledges to enjoy this great hobby.

Curt WB8YYY

PS - once WB8IMY "made fun" of my call in an QST article on phonetics.

Do You Yahoo!?
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<http://mail.yahoo.com/>

Date: Tue, 27 Jun 2000 09:52:50 -0500
From: "Kreinberg, David" <dkreinberg@necam.com>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [73572] RS-13: Mode K Robot
Message-ID: <A500CE54D312D311929900105A0D737901404FC2@cngmail1.esd.dl.nec.com>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"

Hello gang,

Question for the satellite users. Is the Mode K Robot operational on RS-13? I have been trying to get my cw response back from the bird for several days now and have heard nothing. I know I'm able to hit RS-13 for normal ops, as I just had 3 cw QSO's thru it last night.

Just to recap: Robot is uplink (tx) on 21.138 and downlink (rx) on 29.504. Operator sends: RS-13 de <call> AR (sent at >18 wpm)

The satellite then sends back a message with your call and a QSO number inserted.

Am I understanding this correctly?

Thanks, as always.

73 de Dave, NR3E
QRP-L #25
nr Dallas, TX

Date: Tue, 27 Jun 2000 07:54:54 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [73573] Re: Antenna Selection Guidance
Message-ID: <Pine.GS0.4.10.10006270737580.11371-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I'd like to throw in my 2 cents worth.....although it may only be worth a penny or less!

Jim Duffey KK6MC/5, our own Dr. Mhz, gave a list of antennas and good reasons to try/not try them.

I found it interesting that his first choice is also the antenna that I usually put up the day I move into a new QTH.

It's the Inverted Vee.

It's really just a half wave dipole that is supported in the center. I have used a tree, eve of the house, one of those funny trees near the road that don't have many branches and only grow wires and just about anything you can think of.

That gives me SOMETHING to get on the air with while I think about a better antenna.

I usually include several wires on this one antenna, one for each band I want to operate. Just be aware that if your rig isn't "clean", you can put out one heck of a sig on a band other than your choice! The use of an antenna tuner should help prevent this. (Usually)

As Jim mentioned, I usually use wire nuts for the connections. Ask the folks that have been to my shack.....wire nuts all over!

And NO, I'm not saying that wire nuts are a great coax or antenna connector. But they are FAST and at HF you are not going to notice any loss!

Also, REMEMBER one great "Truissam"...

ANY ANTENNA IS BETTER THAN NONE.

Put something up and get on the air. Then spend the rest of your life trying to improve it!

While I really loved having that Force 12 up there at 85', I did notice something day before yesterday.....the winds came up and the thunder & lightining were putting on a BIG show and I didn't care. NO worries about disconnecting feed lines and watching the tower to see if it was going to be OK. :-)

(That only lasted a few minutes and then I went back to missing that antenna/tower!) :-)

See..... I really haven't lost ALL my mind, no matter what some might say!

OK, go put up an antenna and I'll go back to my hole!

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

Date: Tue, 27 Jun 2000 09:51:04 -0500
From: "Ed Manuel (N5EM)" <n5em@flash.net>
To: qrp-1@lehigh.edu
Subject: [73574] Re: Worst Call Sign?
Message-ID: <4.1.20000627094859.009c7370@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Try WA5GZD on CW. (even worse when I was a novice, WN5GZD)

72,
Ed, now N5EM (mucho better)

Date: Tue, 27 Jun 2000 09:57:59 -0500
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
To: <dkreinberg@necam.com>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [73575] RE: RS-13: Mode K Robot
Message-ID: <000001bfe048\$1627afb0\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've never been able to get the RS-13 robot to respond. I could occasionally get the RS-12 robot to respond but never got a "QSO" with it.

72/73
Kevin, WB5RUE
A grudge is the poison you take hoping the other person will die.

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> Kreinberg, David

> Sent: Tuesday, June 27, 2000 9:53 AM
> To: Low Power Amateur Radio Discussion
> Subject: RS-13: Mode K Robot
> Importance: High
>
>
>
> Hello gang,
>
> Question for the satellite users. Is the Mode K Robot operational
> on RS-13? I have been trying to get my cw response back from the
> bird for several days now and have heard nothing. I know I'm able
> to hit RS-13 for normal ops, as I just had 3 cw QSO's thru it last
> night.
>
> Just to recap: Robot is uplink (tx) on 21.138 and downlink (rx) on
> 29.504. Operator sends: RS-13 de <call> AR (sent at >18 wpm)
>
> The satellite then sends back a message with your call and a QSO
> number inserted.
>
> Am I understanding this correctly?
>
> Thanks, as always.
>
> 73 de Dave, NR3E
> QRP-L #25
> nr Dallas, TX
>

Date: Tue, 27 Jun 2000 08:09:04 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Tim Pettibone <k5oi@zianet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [73576] Re: Mu?
Message-ID: <Pine.GS0.4.10.10006270806210.11371-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 26 Jun 2000, Tim Pettibone wrote:

> mu is (I believe) the unit of permeability.

No, no Tim,

Mu is the signal a cow sends to a bull to indicate that it's time to be "freshened"!

Geeeeesssh, all you city folks.....

: -)

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

Date: Tue, 27 Jun 2000 08:20:49 -0700
From: "Floyd Smithberg" <flydnq7x@primenet.com>
To: "QRP-L Message" <qrp-l@Lehigh.edu>
Subject: [73577] CMOSIII REGULATOR
Message-ID: <000201bfe04b\$a5b2f100\$38ac30d0@primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have two CMOS III keyers using the MAX666
micro regulator and 9V battery described by Larry East
W1HUE in QRP-Q July 97 that run OVER a year on a std 9V alkaline. Check it
out but note that the chip pinout in the article is wrong! No off/on switch
req and has led low battery indicator too. A MUST mod for any CMOSIII...
IMHO.
Floyd NQ7X Phoenix,AZ ScQRPion DM33uq

Date: Mon, 26 Jun 2000 11:09:48 -0400
From: MARTIN J STRATTON <kc2cwn@juno.com>
To: qrp-l@lehigh.edu
Subject: [73578] newbie. Wants to buy cheap keyer
Message-ID: <20000626.110949.11814.1.kc2cwn@juno.com>

Hi I'm Marty Kc2cwn member of QRP ARCI and BMHA .
Bicycle portable qrp sw. (Slightly off topic)
My tick 1 keyer died after I replaced the 78L05

(smaller case) with a 7805 to 220 case.

It has the pwr to the board.
I cleaned it with acetone.
Checked continuity of circuit paths with
a vom.

I placed the kit in a sucrets box.

Will be Automobile portable qrp sw soon.
Want to buy a cheap assembled keyer.
Please post directly .

73 tnx de marty kc2cwn@juno.com

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 27 Jun 2000 11:25:09 EDT
From: Makos327@aol.com
To: qrp-l@lehigh.edu
Subject: [73579] Re: Worst Call Sign?
Message-ID: <13.7333166.268a2155@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 6/27/00 9:32:55 AM Eastern Daylight Time, W1RO@aol.com writes:

<< My worst callsign was as a Novice without an Elmer as WH6IGX. I couldn't figure out what was wrong with my HW-7. Everytime I heard a station of the lower 48 states on the air. I try to work em. After working them I'd get a loud buzzing sound in my radio for about 30 seconds then all would be quiet. I'd call CQ and the same buzzing sound appeared in my radio. The repeated buzzing sound after each CQ in the novice band was driving me nuts and I couldn't get anyone to answer me. After the 1 year license expired I moved from Hawaii to Maryland and got relicensed. It seemed the radio fixed itself.

Now when I called CQ someone acutally came back to me. After explaining the buzzing situation to an "Old geezer" running a Viking setup, he told me the buzzing was called a pileup!!! Of course then he had to explain PILEUP!

Jim
W1R0/7 >>

Jim, that's a great story!

Larry W2LJ

Date: Tue, 27 Jun 2000 08:32:11 -0700
From: Lee Hopper <leehop@uswest.net>
To: qrp-1@Lehigh.EDU
Subject: [73580] Antenna Launchers
Message-ID: <3958C8FB.78FCA465@pop.ptld.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings all -

I'd like your advice before I buy a launcher.

Seems the bow & arrow work well, but may be illegal in some places (cities, for instance).

Ditto the slingshot.

The gentle spinning reel seems best, but can you get it up as far? I'd like to be able to put a line over 100 feet in the air - can a duffer cast that far up? Will a very simple setup work (low-cost eqpt)?

Someone mentioned a spud gun a long time ago - anybody have info on that? Are they a bit dangerous, like a mortar?

Tnx -

Lee Hopper, KD7CTF
Portland, OR

Date: Tue, 27 Jun 2000 11:37:41 EDT
From: BOBOBOB1@aol.com
To: ka9nzi@arrl.net, qrp-1@lehigh.edu
Subject: [73581] Richer Man's Hobby?
Message-ID: <b0.70f16b9.268a2445@aol.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I really do have to wade in here on this one....
I have weighed the costs of ham radio and track it yearly....
Some years its more some less....
But if I were a bowler...say i bowl 3 strings have 3 beers every week..say 50 weeks...\$15 to \$20 a week resaonable???
It does not go out of the pocket all at once like the initial cost a rig..but BOWLING COSTS \$\$\$\$\$\$!!
So does Golf!! So does tennis!! So does Boating (Whew!!)....
Memebr of a church?? In terms of money..its costs cash one way or another to belong to any church or other organization....But not all at once!!
Really...guys..wife has always loved it...I always home tinkering with this or that...when the boys were babys I would bring them into my shack and goo them between contacts!!

Today with these QRP rigs and the used market you can get on the air very reasonably....and there are tons of articles about building stuff "on the cheap"....

I take excpetion to this statement "rich mans hobby"!! I will bet you over the years with volunteering in Scouting I have spent all kinds of \$\$\$ on uniforms, camping equipment, etc..etc....Just the patches to go on the uniform must cost \$20.00!!

Ham Radio is like a haven for me...a place to go...in the middle of the day or late at night...I remember once I had a tooth pulled and I was in agony with the pain!! I could not sleep it was 4 Am....so I fired up my HW101...and called called CQ on 20 meter CW and a guy in Cuba came back to me...I told him about my tooth ache...we had the best time!! Fourty five minutes later I was back to sleep....I had made anew friend..and I felt wonderful....!! Am I a rich Man from that experience?? Well..... certantly a richer Man...

Ham Radio has NEVER let me down...someone is ALWAYS there!!
I guess if I am a richer human because of it...so be it..

Bob Gorman
WA1SCH
Clearwater Beach FL
"Think I'll head down to the beach for a sunset!!"...

Date: Tue, 27 Jun 2000 10:38:29 -0500
From: "George T. Baker" <w5yr@att.net>

To: zlau@arrl.org
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [73582] Re: Rich Man's Hobby
Message-ID: <3958CA75.A26633FA@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks, Zack, for reminding me that I worked Nose (KH6IJ) shortly after ten meters was opened after WWII, and he was still teaching high school on one of the smaller islands at that time.

72/73, George

Fairview, TX 30 mi NE Dallas in Collin county
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

"Lau, Zack, W1VT" wrote:

> Katashi Nose said his FB-7 receiver set him back 4 months pay! He worked as
> a
> high school teacher just before WWII.

Date: Tue, 27 Jun 2000 08:40:11 PDT
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [73583] Re: RS-13 Mode K Robot
Message-ID: <20000627154011.94961.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Dave NR3E asked:

>Question for the satellite users. Is the Mode K Robot operational
>on RS-13?
>(snip...)
>Just to recap: Robot is uplink (tx) on 21.138 and downlink (rx) on
>29.504. Operator sends: RS-13 de <call> AR (sent at >18 wpm)
>
>The satellite then sends back a message with your call and a QSO
>number inserted.
>
>Am I understanding this correctly?

Almost. If the Robot is running it will call CQ and announce

frequency information.

If you don't hear it calling CQ, there's no point in calling it.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89mg pied a terre..."
 - Hospital/Shafte

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Tue, 27 Jun 2000 11:46:11 -0400
From: Jake Brodsky <frussle@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [73584] Re: Antenna Launchers
Message-ID: <3gihlso91s4edgp5cl466e46me5edt4fu7@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Tue, 27 Jun 2000 08:32:11 -0700, Lee Hopper, KD7CTF wrote:

>Someone mentioned a spud gun a long time ago - anybody have info on =
that? Are
>they a bit dangerous, like a mortar?

Well, yes. I guess they are. That's why they're so much FUN!

In all seriousness, I don't recommend a spud gun because they can lob
a spud up to 500' in the air. That's more than most folks would ever
need. They're not particularly reliable, either. One spud might go
500' in the air and the next might not go past 150. =20

On the other hand, I think most cops (and even prosecutors) would have
a hard time classifying this as a dangerous weapon, since most local
regulations don't explicitly mention this sort of thing. =20

73,

Jake Brodsky, AB3A <mailto:frussle@erols.com>
"Beware of the massive impossible!"

Date: Tue, 27 Jun 2000 11:53:33 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <leehop@uswest.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [73585] Re: Antenna Launchers
Message-ID: <004301bfe04f\$dd452e40\$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, like you said, some devices are 'illegal'. Sling shots are a 'prohibited weapon' in Mass for example. (But that doesn't mean they aren't all over the place! But something to consider if you have a field day setup where 'outsiders' may watch you set up!) And using bow and arrows can have 'legal' complications at time.

But be that as it may, always realize that ANY launcher can be VERY dangerous! If a line 'jams' on feeding, your launched weight can come right back at you. Doesn't matter if it's from a bow or slingshot or a cannon.

When you feed line, either use the lifesaving trick of laying out your line so it won't bind first, or buy a reel DESIGNED to feed line. And ALWAYS wear eye protection!

They do make 'fishing reels' designed to feed line fast. Check out gun and archery stores for the reels designed to mount on bows for fishing. This have special 'conical' spools. And have the guy at the shop wind the line on it CORRECTLY.

Mike

> Greetings all -
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(cities, for
> instance).
>
> Ditto the slingshot.
>
> The gentle spinning reel seems best, but can you get it up as far? I'd
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that far up?
> Will a very simple setup work (low-cost eqpt)?
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> they a bit dangerous, like a mortar?
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> Tnx -
>
> Lee Hopper, KD7CTF
> Portland, OR
>

Date: Tue, 27 Jun 2000 12:00:47 -0400
From: "Scott E. Olitsky" <solitsky@acsu.buffalo.edu>
To: <myetsko@insydesw.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [73586] Re: Antenna Launchers
Message-ID: <015401bfe050\$e55631a0\$414d3018@scott.buf.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mike's point is very true. I have personally removed an eye of an "innocent bystander" that got in the way of a spud being launched. It packs an incredible force. I know of at least two other cases like this. They are very unpredictable and dangerous...you are better off using something else in my opinion.

Scott
AC3A

-----Original Message-----

From: Mike Yetsko <myetsko@insydesw.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Tuesday, June 27, 2000 11:48 AM
Subject: Re: Antenna Launchers

>Well, like you said, some devices are 'illegal'. Sling shots are a
>'prohibited weapon' in Mass for example. (But that doesn't mean
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>> Portland, OR
>>
>

Date: Tue, 27 Jun 2000 08:54:42 -0700
From: schoon@amgt.com
To: <qrp-1@Lehigh.EDU>, <myetsko@insydesw.com>
Subject: [73587] RE: Antenna Launchers
Message-ID: <c=US%a=_%p=American_Geotech%l=AG-CALCITE-

BD-000627155442Z-1046@mail.amgt.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I use a wrist rocket sling shot and a cheap fishing reel mounted to a piece of 1/2" pvc pipe. It works really good, easily clearing 100' trees. For protection I wear safety glasse, gloves AND a hard hat. I've had the weight get about 20' away and then the line get stuck, only to have the weight rocket right back at me! This was before the days of the fishing reel. I use the kind of reel that has the open face, not the bait casting kind, or the kind that's all closed up. So far this system works pretty good and I'll be using it during my upcoming vacation...

As for the law, I checked up on that as well. In CA, there's no listing for a slingshot that I could find. Also, it depends greatly on how it is defined. A firearm in our county is considered a device that propels a metallic object using a compressed gas. So, that pretty much covers BB guns, etc. If pushed, even paint ball guns are also illegal because they use a metallic based paint! Just FYI....

72

.mark

```
=====
Mark Schoonover KA6WKE          IS Manager
Trail Runner,HAM                schoon@amgt.com
                                ka6wke@wb6dgr.#sca.ca.usa.noam
http://www.qsl.net/ka6wke       ka6wke-1 145.05
                                Mobile: 146.52 & 28.470
                                Lat: 32.85380 Long: -117.00980 Grid: DM12lu
=====
```

>-----
>From: Mike Yetzko[SMTP:myetzko@insydesw.com]
>Sent: Tuesday, June 27, 2000 8:53 AM
>To: Low Power Amateur Radio Discussion
>Subject: Re: Antenna Launchers
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>> Portland, OR
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>
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Date: Tue, 27 Jun 2000 09:04:47 -0700

From: Casey Ray <clray@usc.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [73588] Re: Worst Call Sign?
Message-ID: <3958D09F.FAC5FC50@usc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Worked this past FD weekend was w6fu with the "k" at the end "back to you"

Casey
AD6DI

tom palmer wrote:

>
> Hi, QRP-Lers.
>
> New Thread?
>
> Something I ponder (briefly) from time-to-time:
>
> Q: What is the worst call sign you've ever had?
>
> I was once KF4NK. Next to impossible phonetics and because of the "K" at
> the end, many CW ops thought my call was KF4N and the "K" at the end
> meant "back to you" I'm glad I was KF4NK for only 144 QSOs. My next
> call - WX4V - was a major improvement and a pleasant surprise, to say
> the least.
>
> I'd be very interested in reading your sob story re: Your WORST call
> sign ever.
>
> Best regards to all,
>
> Tom, N1TP
> Naples, FL.
> QRP-L # 1,317
> :

Date: Tue, 27 Jun 2000 10:18:18 -0600
From: "Francis Callahan" <colcal@srv.net>
To: <BOBOBOB1@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [73589] Re: Richer Man's Hobby?
Message-ID: <001901bfe053\$4ed43260\$a5df070c@callahan>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

At least with ham radio the radios last and usually the up keep is very small compared to a boat which is a hole in the water that you keep dropping money down 72 Cal KF7ET misplaced Vermonter in Idaho

----- Original Message -----

From: <BOBOBOB1@aol.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Tuesday, June 27, 2000 9:37 AM

Subject: Richer Man's Hobby?

> I really do have to wade in here on this one....
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> "Think I'll head down to the beach for a sunset!!"...
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Date: Tue, 27 Jun 2000 10:25:00 -0600
From: "Francis Callahan" <colcal@srv.net>
To: <myetsko@insydesw.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [73590] Re: Antenna Launchers
Message-ID: <003301bfe054\$3e921920\$a5df070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Talk about the weight comming back on you I broke my nose several years when the reel jammed and a hunk of lead hit me right between the eyes. Great lesson for standing to one side of the launch 72 Cal KF7ET

----- Original Message -----

From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, June 27, 2000 9:53 AM
Subject: Re: Antenna Launchers

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> > Portland, OR
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Date: Tue, 27 Jun 2000 09:21:33 -0700
From: schoon@amgt.com
To: <qrp-1@Lehigh.EDU>, <colcal@srv.net>
Subject: [73591] RE: Antenna Launchers
Message-ID: <c=US%a=_%p=American_Geotech%l=AG-CALCITE-
BD-000627162133Z-1051@mail.amgt.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

QST had an article about the Flingshot. When I opened to the index and I saw the guy using it, he had the weight pulled back right to his eye, and wasn't wearing any protection! I shuddered when I saw that, very unsafe.

.mark

>-----

>From: Francis Callahan[SMTP:colcal@srv.net]
>Sent: Tuesday, June 27, 2000 9:25 AM
>To: Low Power Amateur Radio Discussion
>Subject: Re: Antenna Launchers

>

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>the reel jammed and a hunk of lead hit me right between the eyes. Great
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>----- Original Message -----

>From: "Mike Yettsko" <myetsko@insydesw.com>
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Sent: Tuesday, June 27, 2000 9:53 AM
>Subject: Re: Antenna Launchers

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>> > Portland, OR
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>
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Date: Tue, 27 Jun 2000 09:40:50 -0700 (PDT)
From: Steve Yates <aa5tb@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [73592] Re: Antenna Launchers
Message-ID: <20000627164050.25901.qmail@web3001.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Guys, guys, guys...

Why be so dangerous and carry around extra equipment.

Joe, KK5NA's idea sometime back works fantastic. Just tie a clove hitch around the neck of a "soft" plastic water bottle (about 16 oz.) and swing it around in a vertical circle a few times and launch it right over the desired branch. Just make sure the rope isn't

wrapped around your legs. If you miss and it bounces back and hits you in the head or your wife's new BMW, no harm done. Just try again. When your done the bottle of water can be consumed.

=====

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://www.geocities.com/aa5tb>
aa5tb@arrl.net

Do You Yahoo!?
Get Yahoo! Mail - Free email you can access from anywhere!
<http://mail.yahoo.com/>

Date: Tue, 27 Jun 2000 12:41:49 -0400
From: Bill Coleman AA4LR <aa4lr@radio.org>
To: <prvalko@oakland.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [73593] Re: OT Possibly dumb question but Ham Radio Related
Message-ID: <200006271641.MAA18533@atlnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 6/26/00 7:58 PM, Paul R. Valko at prvalko@oakland.edu wrote:

>And finally, for several reasons that I'll let you discover on your own,
>voice operation on 160 Meters, 80 (or 75M), and 40M are taditionally made
>in the LSB mode. 20M and above are USB.

For completeness:

- * Virtually all commercial SSB is USB.
- * The amatuer convention is to use LSB below 10 MHz, and USB above.
- * Sometimes you'll find someone on the "opposite" sideband.

Try tuning a USB signal with LSB or vice versa. You'll quickly learn which way sounds wrong.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@radio.org
Quote: "Boot, you transistorized tormentor! Boot!"
-- Archibald Asparagus, VeggieTales

Date: Tue, 27 Jun 2000 16:53:22 -0700
From: "JC Smith" <jc-smith@worldnet.att.net>
To: <Wb8siw@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [73594] Re: email addresses
Message-ID: <006601bfe092\$e4616b60\$be66480c@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Agree! Please don't use R for the period in this case. It's fine in numbers, and ok if the sender has good timing, but can be a pain in some addresses and sent by some ops with less-than-great timing.

72 - JC,k0hps@amsat.org

----- Original Message -----
From: <Wb8siw@aol.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Monday, June 26, 2000 7:23 PM
Subject: Re: email addresses

> In a message dated 06/26/2000 7:30:36 PM Eastern Daylight Time,
> anthony@pacinfosb.com writes:
>
> << What's the best way to transmit an email address on CW?
> What do you use for the "AT" sign? Do you use an "R" for the
> dot like a decimal point? Is there a quasi-standard here?
> Thanks.
> WN6Q >>
> Hi Anthony:
>
> I can tell you what we've been using on the Michigan QMN Net: "AT" for
the
> "@" symbol and "DOT" or the International Morse "period"
> (di-dah-di-dah-di-dah) for the decimal point. This seems to be the
standard
> on the various CW traffic nets right now, at least from my experience.
>
> 73, Jim WB8SIW

Date: Tue, 27 Jun 2000 12:54:00 -0400
From: "Doug Person" <w4dxv@attglobal.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [73595] Re: Antenna Launchers
Message-ID: <00ce01bfe058\$4b803320\$03bfe220@m1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have put a small hole through a tennis ball to secure a line and with my best high serve put the line into the top of the old triple oak in the backyard here...

-- Doug - W4DXV

-----Original Message-----

From: Steve Yates <aa5tb@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Tuesday, June 27, 2000 12:42 PM
Subject: Re: Antenna Launchers

>Guys, guys, guys...

>

>Why be so dangerous and carry around extra equipment.

>

>Joe, KK5NA's idea sometime back works fantastic. Just
>tie a clove hitch around the neck of a "soft" plastic
>water bottle (about 16 oz.) and swing it around in a
>vertical circle a few times and launch it right over
>the desired branch. Just make sure the rope isn't
>wrapped around your legs. If you miss and it bounces
>back and hits you in the head or your wife's new BMW,
>no harm done. Just try again. When your done the
>bottle of water can be consumed.

>

>=====

>73,

>Steve Yates - AA5TB

>Fort Worth, TX - EM12gs

><http://www.geocities.com/aa5tb>

>aa5tb@arrl.net

>

>-----
>
>-----
>Do You Yahoo!?
>Get Yahoo! Mail - Free email you can access from anywhere!
><http://mail.yahoo.com/>
>

Date: Tue, 27 Jun 2000 13:04:15 -0400
From: Jerry Albertin <kg2jff@juno.com>
To: qrp-l@lehigh.edu
Subject: [73596] RE: GDM and Noise Bridge
Message-ID: <20000627.130417.-251757.0.kg2jff@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

The Heathkit Grid Dip Meter is spoken for, thanks to all who replied.

The MFJ 202 Noise Bridge is still available \$20 plus shipping

73...Jerry

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Tue, 27 Jun 2000 12:08:44 -0500
From: Mike <mmorrow@companet.net>
To: qrp-l@lehigh.edu
Subject: [73597] Re: Worst Call Sign (OT)
Message-ID: <3958DF9C.7AB7@companet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I had been WN5WGJ, then WA5WGJ for 12 years before passing my Extra in 1980 and getting KK5F as a sequentially issued call sign. I needed a call that was shorter on CW than WA5WGJ (which wasn't all that great on phone, either). I cooked things a little by waiting until the ARRL CW bulletin came out that indicated that the FCC was about to finish issuing KJ5x calls (I didn't want a call with J, Q, or Y). I really

wanted KK5A, but it was hard to predict what I'd get, and anyway the FCC only administerd ham exams once a quarter in Tulsa, the nearest big city to my NW Arkansas QTH. That made it hard to schedule an exam vs. calls being issued, but I've been very happy with the result.

I find it hard to understand why many don't like the 2x1 calls...they have a lot of character, and can be an asset in a contest where the total of different station prefixes worked increases the score.

(WARNING: Controversial opinion follows!)

I do wish the vanity call system had a seniority qualification for 1x2 and 1x3 calls starting with W or K. Before 1977, one had to have been licensed at some point 25 years prior to application, hold an Extra, and pay a one-time fee (\$25) for a permanent 1x2 call (one that did not, and should not, carry the "vanity" code in the licensing record). This would have been a great system to have retained, which would have still left plenty of other short calls for immediate issue under the vanity program. I know that "modern" thought discounts any recognition of the value of age and experience, so this suggestion does seem to be controversial. IMHO, holders of ANY call currently coded as "vanity" who've been licensed more than, say, 25 years should have the "vanity" code removed and no vanity call fees required for future renewals.

73,

Mike / KK5F

Date: Tue, 27 Jun 2000 13:51:37 EDT
From: Makos327@aol.com
To: qrp-1@lehigh.edu
Subject: [73598] Re: Antenna Launchers
Message-ID: <75.60e6824.268a43a9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I drilled a hole into a baseball and put some heavy guage, stiff wire through the hole to form a loop. I tied the end of the support rope to the loop, gave the fastball my best two seam grip and gave it a good hurl! My antenna support went up about 35-40 feet and over a good limb.

Tom Seaver, I'm not but it got the job done (and I think the umpire the batter a "called" strike three!)

Larry W2LJ

Date: Tue, 27 Jun 2000 13:25:19 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [73599] Re: Worst Call Sign (OT)
Message-ID: <200006271803.0AA13148@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I was KC4VGK for a while, glad I lost that call...

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Tue, 27 Jun 2000 17:35:05 -0700
From: "JC Smith" <jc-smith@worldnet.att.net>
To: <ku7y@dri.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [73600] Re: Antenna Selection Guidance
Message-ID: <00bb01bfe09d\$426d2640\$be66480c@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'd like to add one antenna to these lists of "good first antennas."
Haven't seen it on anyone's list yet. The vertical dipole. It requires
only one support, great low angle radiation, efficient with no worry about
radials. Just take your standard half wave dipole and hang it up by one
end. Try to bring the feed line off at close to 90 degrees. Feed with coax
or ladder line. Work multi-bands with a tuner. (All the same stuff that
applies to a horizontal dipole).

I've been told it's best to hang the end connected to the coax braid down
and center conductor up, but I'm not sure why or how this would apply to a
ladder line feed. One thing I do understand is that it's best to hang it so
the bottom insulator is above 8 ft. or so.

You might need a tall tree to do this on 40+ meters, but I have one up for
20 meters at a vacation qth and it was simple to put up (slingshot) and
works great.

72 - JC,k0hps@amsat.org

----- Original Message -----

From: Monte Stark <ku7y@dri.edu>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Tuesday, June 27, 2000 7:54 AM

Subject: Re: Antenna Selection Guidance

> Hi All,

>

> I'd like to throw in my 2 cents worth.....although it may
> only be worth a penny or less!

>

> Jim Duffey KK6MC/5, our own Dr. Mhz, gave a list of antennas
> and good reasons to try/not try them.

>

> I found it interesting that his first choice is also the
> antenna that I usually put up the day I move into a new
> QTH.

>

> It's the Inverted Vee.

>

> It's really just a half wave dipole that is supported in
> the center. I have used a tree, eve of the house, one of
> those funny trees near the road that don't have many branches
> and only grow wires and just about anything you can think
> of.

>

> That gives me SOMETHING to get on the air with while I think
> about a better antenna.

>

> I usually include several wires on this one antenna, one for
> each band I want to operate. Just be aware that if your
> rig isn't "clean", you can put out one heck of a sig
> on a band other than your choice! The use of an antenna
> tuner should help prevent this. (Usually)

>

> As Jim mentioned, I usually use wire nuts for the connections.
> Ask the folks that have been to my shack.....wire nuts all
> over!

>

> And NO, I'm not saying that wire nuts are a great coax or
> antenna connector. But they are FAST and at HF you are not
> going to notice any loss!

>

> Also, REMEMBER one great "Truissam"...

>

> ANY ANTENNA IS BETTER THAN NONE.

>
> Put something up and get on the air. Then spend the rest of
> your life trying to improve it!
>
> While I really loved having that Force 12 up there at 85',
> I did notice something day before yesterday.....the winds
> came up and the thunder & lightining were putting on a
> BIG show and I didn't care. NO worries about disconnecting
> feed lines and watching the tower to see if it was going
> to be OK. :-)
>
> (That only lasted a few minutes and then I went back to missing
> that antenna/tower!) :-)
>
> See..... I really haven't lost ALL my mind, no matter what
> some might say!
>
> OK, go put up an antenna and I'll go back to my hole!
>
> 73, Ron
>
>KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
>ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....
>SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....
>Visit my Home Page.....<http://www.qsl.net/ku7y/>....
>
>

Date: Tue, 27 Jun 2000 18:07:35 -0700
From: "JC Smith" <jc-smith@worldnet.att.net>
To: <leehop@uswest.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [73601] Re: Antenna Launchers
Message-ID: <00bc01bfe09d\$491ba8e0\$be66480c@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Lee,

If you are worried about the slingshot being illegal, forget about the spud gun. The gun control nuts will have the BATF after you in no time! Seriously though, your best bet is the slingshot (Wrist Rocket type) with a spin casting reel and about 8 pound line. For a weight I like to use 50 caliber lead balls (available from many catalogs and any sporting goods

store that carries black powder gear). Drill a small hole through the center. Make a loop (1.5" or so) in the end of the line. Stick the loop through the hole and over the ball. Pull tight. After you shoot it over the branch unloop the ball and use the loop to connect a heavier line (I like the 200# Kevlar line from Radio Works) which you pull over the branch and then use to raise the antenna. Fishing sinkers work but seem a little more likely to become hooked on something in the tree. Same thing with swivel snaps on the end of the line. The ball and loop are about as clean as you can get it and still have it easy to unhook for pulling the line up. In all cases, keep these connections as clean as you can. A little tape, wrapped tightly around loose ends, can help in some cases. Try to use a "low profile" knot. I use a line splice knot through the loop (sort of like a square knot, but better for lines of different diameters).

You can go 100'+ with one of these but if it's windy it is hard to be accurate at that height. I use mine all the time and all over the country. Only time I ever had a problem was in Grover Hot Springs State Park in the Sierras. I had just put up my antenna and was sitting down to my NorCal-40 on the picnic bench when the ranger pulled up and said I had been reported for shooting birds with a slingshot. I showed him my "weapon" and rig and we had a good laugh. Then he stuck around to observe the first qso.

As with any projectile, be sure you know what is down range from you.

72 - JC,k0hps@amsat.org

----- Original Message -----

From: Lee Hopper <leehop@uswest.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Tuesday, June 27, 2000 8:32 AM

Subject: Antenna Launchers

> Greetings all -

>

> I'd like your advice before I buy a launcher.

>

> Seems the bow & arrow work well, but may be illegal in some places

(cities, for

> instance).

>

> Ditto the slingshot.

>

> The gentle spinning reel seems best, but can you get it up as far? I'd like to

> be able to put a line over 100 feet in the air - can a duffer cast that far up?

> Will a very simple setup work (low-cost eqpt)?

>
> Someone mentioned a spud gun a long time ago - anybody have info on that?
Are
> they a bit dangerous, like a mortar?
>
> Tnx -
>
> Lee Hopper, KD7CTF
> Portland, OR

Date: Tue, 27 Jun 2000 13:08:57 -0500
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
To: <Makos327@aol.com>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [73602] RE: Antenna Launchers
Message-ID: <000001bfe062\$c3f344a0\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I did a variation of that once. I put a hole through an old softball and swung it over a tree. It took a few tries to get it going the right direction but it sure did fly!

72/73
Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Makos327@aol.com
> Sent: Tuesday, June 27, 2000 12:52 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Antenna Launchers
>
>
> I drilled a hole into a baseball and put some heavy guage,
> stiff wire through
> the hole to form a loop. I tied the end of the support rope
> to the loop,
> gave the fastball my best two seam grip and gave it a good
> hurl! My antenna
> support went up about 35-40 feet and over a good limb.
>
> Tom Seaver, I'm not but it got the job done (and I think

> the umpire the
> batter a "called" strike three!))
>
> Larry W2LJ
>

Date: Tue, 27 Jun 2000 14:15:08 -0400
From: "Everhart, Joseph @ CSE" <jeverhar@mail.cse.l-3com.com>
To: "'qrpl'" <qrpl@lehigh.edu>
Subject: [73603] Re: Worst Call Sign (OT)
Message-ID: <56AE25C909CED311BEA70000D11AD11E3A0CC1@l3c-xchg-cse.mail.cse.l-3com.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Group,

Gotta chime in here.

I began with WV2MES then went to WA2MES. *No* good phonetics for that!
My buddies called me either "mess" or "malicious egg smasher." Yuck!

In PA-land I became WA3VXH - no good phonetics and horrible on CW. With
the vanity program came K3JE - ok on voice but the last "dit" gets lost on
CW.

Guess I'll stay with N2CX - no good phonetics that I can use in mixed
company
but it's very rhythmic on CW.

72/73,

Joe E., N2CX

Date: Tue, 27 Jun 2000 13:17:10 -0500
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
To: <jeverhar@mail.cse.l-3com.com>
Subject: [73604] RE: Worst Call Sign (OT)
Message-ID: <000001bfe063\$e99c1e10\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Why not just November Two Charlie x-ray? ;)

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU

> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of

> Everhart, Joseph @ CSE

> Sent: Tuesday, June 27, 2000 1:15 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: Worst Call Sign (OT)

>

>

> Guess I'll stay with N2CX - no good phonetics that I can use in mixed

> company

> but it's very rhythmic on CW.

>

> 72/73,

>

> Joe E., N2CX

>

Date: Tue, 27 Jun 2000 13:17:13 CDT

From: "jimmie newburry" <jnewburry@hotmail.com>

To: qrp-1@Lehigh.EDU

Subject: [73605] pixie2 & colorburst crystal

Message-ID: <20000627181713.29389.qmail@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

hi all,

i am new to qrp and want to get started. i am thinking of getting a pair of
pixie2s to start with. is this a good choice? i also want to use some of
my old colorburst crystals. anyone use these? or has anyone built a pixie2
with the colorburst (3.579 if not mistaken) and if anyone in south texas is
this frequency popular here? well sorry the great # of questions.

jimmie kd5kac

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

Date: Tue, 27 Jun 2000 13:17:16 -0500

From: George F Franklin <w0av@juno.com>

To: qrp-1@lehigh.edu

Subject: [73606] Ref. Worst FD Antenna?
Message-ID: <20000627.131719.-385417.1.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

*****If you are fed up with FD stories, delete
now*****

This year again I operated FD Class 1B with my intrepid group of QRPers at a lovely private park in the rear of a local church.

Each year members (total of 4, nowadays) try to bring something new or different to the event, which is BYOS (Bring Your Own Station). BYOS means you bring everything you need and use your own callsign.

This year I brought my "new" K2 and at the last minute decided to make another type of dipole antenna. I got the idea from an old Lew McCoy article in CQ magazine some months/years back. He showed a 4-wire, 4-band dipole made from 66 ft. of 4-wire flat rotor cable. This was downright crude compared to an antenna erected by one of my buddies, a ten meter Sterba Curtain.

I didn't have the rotor cable, so I decided to use two lengths of twinlead instead. As I put the thing together, it seems so heavy and awkward that I sought a "better" solution. Shazam! Why not use 4-wire indoor telephone cable?

The dipole was 66 ft. long, with an insulator in the middle, and an appropriate wire clipped at 8, 11, 16.5 ft on each side for 10-15-20 & 40 meters. I used 60ft of RG-58 to feed this monstrosity. Unfortunately, this occurred the day before FD and I had no opportunity to check it out for resonance.

At the FD site, we erected the thing as an "up and out," L-shaped mess fed at the corner of the L, pulling the vertical portion up a convenient tree and stretching the horizontal leg to a another tree with string, about 5 ft. above ground.

I plugged it into the K2 and it "heard" quite well. Checking with the MFJ analyzer, however, revealed only a few shallow dips, none anywhere near the designated bands.

Oh, well, it was too late to build another antenna, so I fired up the K2, hit the ATU button and went to work.

To make a (too) long story short, it worked great on the four bands and I even made a few contacts on 80CW, for a total of 140 QSO's in daylight

only operation. All this with an SWR above 3, and no signs of resonance!
The call to contact ratio was as good as any from previous years

What does this prove? Not much, except that anything will work, even at QRP levels and also that your reporter is a lousy antenna designer.

Apologies for the longwinded diatribe, but maybe it will give someone with a less than super antenna some hope.

72/73/74 de George/W0AV
SOC #101

YOU'RE PAYING TOO MUCH FOR THE INTERNET!
Juno now offers FREE Internet Access!
Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Tue, 27 Jun 2000 11:18:23 -0700
From: "Phinizy, William" <wphinizy@filenet.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [73607] Re: Fw: MESSAGE FOR BOB, WA2HOQ
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F02BE5F3A@hq-expo2.filenet.com>

Trivia:

Buttermilk?
Trigger?
Nellie Belle?
Buckskin?
Song Bird?
Diablo?

W. H. Phinizy, K6WHP

Date: Tue, 27 Jun 2000 14:25:23 -0400
From: "Doug Person" <w4dxv@attglobal.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [73608] Re: Antenna Launchers
Message-ID: <00ea01bfe065\$0ff20060\$03bfe220@m1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

8 lb. is kinda light. I use 30 lb.. Instead of a reel I use a bucket. I pull enough line of the spool to do the job and then lower it slowly into the bucket. I use a 1 to 1.5 oz fishing weight. The 30 lb. line won't break if it gets caught in a branch - which happens often. I've put up perhaps 20 antennas for myself and others with the ole wrist rocket and a bucket. Works every time.

Doug -- W4DXV

-----Original Message-----

From: JC Smith <jc-smith@worldnet.att.net>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Date: Tuesday, June 27, 2000 2:09 PM

Subject: Re: Antenna Launchers

>Hi Lee,

>

>If you are worried about the slingshot being illegal, forget about the spud
>gun. The gun control nuts will have the BATF after you in no time!

>Seriously though, your best bet is the slingshot (Wrist Rocket type) with a
>spin casting reel and about 8 pound line. For a weight I like to use 50
>caliber lead balls (available from many catalogs and any sporting goods
>store that carries black powder gear). Drill a small hole through the
>center. Make a loop (1.5" or so) in the end of the line. Stick the loop
>through the hole and over the ball. Pull tight. After you shoot it over
>the branch unloop the ball and use the loop to connect a heavier line (I
>like the 200# Kevlar line from Radio Works) which you pull over the branch
>and then use to raise the antenna. Fishing sinkers work but seem a little
>more likely to become hooked on something in the tree. Same thing with
>swivel snaps on the end of the line. The ball and loop are about as
as

>you can get it and still have it easy to unhook for pulling the line up.

In

>all cases, keep these connections as clean as you can. A little tape,
>wrapped tightly around loose ends, can help in some cases. Try to use a
>"low profile" knot. I use a line splice knot through the loop (sort of
like

>a square knot, but better for lines of different diameters).

>

>You can go 100'+ with one of these but if it's windy it is hard to be
>accurate at that height. I use mine all the time and all over the country.
>Only time I ever had a problem was in Grover Hot Springs State Park in the
>Sierras. I had just put up my antenna and was sitting down to my NorCal-40
>on the picnic bench when the ranger pulled up and said I had been reported
>for shooting birds with a slingshot. I showed him my "weapon" and rig and
>we had a good laugh. Then he stuck around to observe the first qso.

>
>As with any projectile, be sure you know what is down range from you.
>
>72 - JC,k0hps@amsat.org
>
>----- Original Message -----
>From: Lee Hopper <leehop@uswest.net>
>To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
>Sent: Tuesday, June 27, 2000 8:32 AM
>Subject: Antenna Launchers
>
>
>> Greetings all -
>>
>> I'd like your advice before I buy a launcher.
>>
>> Seems the bow & arrow work well, but may be illegal in some places
>(cities, for
>> instance).
>>
>> Ditto the slingshot.
>>
>> The gentle spinning reel seems best, but can you get it up as far? I'd
>like to
>> be able to put a line over 100 feet in the air - can a duffer cast that
>far up?
>> Will a very simple setup work (low-cost eqpt)?
>>
>> Someone mentioned a spud gun a long time ago - anybody have info on that?
>Are
>> they a bit dangerous, like a mortar?
>>
>> Tnx -
>>
>> Lee Hopper, KD7CTF
>> Portland, OR
>
>

Date: Tue, 27 Jun 2000 14:40:54 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [73609] Re: Antenna Launchers
Message-ID: <014501bfe067\$3f2e1060\$2101a8c0@insydesw.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

As long as this is 'discussed'... Don't forget that what goes up,
SHOULD
come down.

And from a safety point, just 'pulling' on that lead can cause a weight
that's on a string over a branch to 'whip' over and come at you at warp
nine!!

If at all possible, UNFASTEN the antenna, and let the weight drop!

Don't take out other field day volunteers that are standing around...
Then again, they're probably looking to see if you bop yourself, so
why not? Naw... That's not nice!

Mike

Date: Tue, 27 Jun 2000 14:50:26 EDT
From: RangerSF5@aol.com
To: wphinizy@filenet.com, qrp-1@lehigh.edu
Subject: [73610] Re: Fw: MESSAGE FOR BOB, WA2HOQ
Message-ID: <a2.651a031.268a5172@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Date: Tue, 27 Jun 2000 14:53:10 EDT
From: n5ib@juno.com
To: qrp-1@Lehigh.edu
Subject: [73611] USS Kidd operating Tuesday
Message-ID: <20000627.134607.4655.2.N5IB@juno.com>

Pharoah, KC5ZZ, just called me on 2 m and said he is aboard the USS Kidd
and will operate W5KID on or near 14060 for the next 90 minutes or so.
Its now 1845 Z, so expect him on until 2000 Z or a bit after.

Jim N5IB

YOU'RE PAYING TOO MUCH FOR THE INTERNET!

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 27 Jun 2000 14:53:52 EDT

From: RangerSF5@aol.com

To: qrp-l@lehigh.edu

Subject: [73612] Re: Posting with my name and call

Message-ID: <bd.4a7292f.268a5240@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Subj: Re: Fw: MESSAGE FOR BOB, WA2HQQ

Date: 6/27/00 2:21:19 PM Eastern Daylight Time

From: wphinizy@filenet.com (Phinizy, William)

Sender: owner-qrp-l@Lehigh.EDU

Reply-to: wphinizy@filenet.com

To: qrp-l@Lehigh.EDU (Low Power Amateur Radio Discussion)

If you'r going to post silly little games on the list,

Please leave my name and call off of it.

I have nothing to do with it and I see no valid reason to use my call and name
Bob

Date: Tue, 27 Jun 2000 18:52:52 -0700

From: "JC Smith" <jc-smith@worldnet.att.net>

To: <osier@northnet.org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [73613] Re: Logging programs

Message-ID: <01b701bfe0a5\$735f14e0\$be66480c@att.net>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Try the WR9R Field Day Logger. It's shareware (\$10 if you like it, free if you don't), easy to learn, keys the radio via a simple interface, does great dupe checks, etc. Everything you would want for a FD logger. The "top rated" contest program for other-than-FD contests seems to be CT. Does a lot more but harder to set up and use. Uses the same keying interface as

WR9R.

WR9R has a web site where you can download the program. I assume (but don't know for sure) there is a CT website as well. You can find them in CQ magazine too.

72 - JC,k0hps@amsat.org

----- Original Message -----

From: osier <osier@northnet.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Sunday, June 25, 2000 2:00 PM
Subject: OT : Logging programs

> Hello All !!!!
>
> Looking for a good contest program !!! The reason being when I was a N/T
> on 10 meters I was making about 200 "Q"s which is not a big problem to
> score and log , now with my upgrade to General I hope to be making MANY
> more which might be a bit too much to handle alone !!! I work as a
> Single op , Single transmitter QRP , and since Im not a technical whizz
> something thats is easy to set up and master.
>
> Many thanks in advance !!!!!!!
>
> 73s
>
> George , N2JNZ/QRP
> NORTHERN NEW YORK CONTEST CLUB
> S.O.C. # 153
>

Date: Tue, 27 Jun 2000 21:22:52 +0200
From: mike.mhe@t-online.de (Michael Haugrund)
To: hq@arrl.org, peter@barville.freemove.co.uk, lz1fw@nettaxi.com, k1ar@cq-
amateur-radio.com, crklub@mbox.vol.cz, g3rjv@gqrp.com, GQRP@onelist.com,
hrs@hztk.tel.hr, klqrp@vramp.net, qrp-l@lehigh.edu, zyg@morsum.demon.co.uk,
hqpzk@pzk.org.pl, ve2zp@lynx.ve3jf.ampr.org
Subject: [73614] QPR-MAS Logs please
Message-ID: <1370we-22nCAEC@fwd06.sul.t-online.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8BIT

DJ7ST @ DB0ABZ.#NDS.DEU.EU (Hartmut)

25-June-00

Dear OM,

thank you very much for the following logs I have received for the first QRP-MAS. If you miss your call on the list: your log may be missed because my digipeater has been down for a week. If so, please send your log again.

9A3CY	CH	5	VX0---PA, BD135, 5 trans.
DF0CF	B13	2	like DL90E
DF0GIF	B13	3	like DL90E
DF1EA	B35	7	"TinyCad", 4 trans., VF0-BU-DR-PA, own design
DF1GN	A66	14	FOXX2-TRX
DF20K	B50	1	The Knightlite SMITe (=Pixie 2 with SMDs)
DJ1TM/p	A45	4	HB Pixie (Funk 4/99, WA6BOY, mfd.)
DJ1ZB	B12	15	"Piccolino" (VX0-solo, BD138, SPRAT 1985)
DJ2GL	B22	10	VF0-PA (EC92-EL84),
DJ6FO	B42	19	Hari TX80/1, mfd.
DJ7ST	B22	9	VX0-PA (EF13-EF14), 400mW
DJ9IE	B10	10	CO solo (BSY56), 100-200 mW
DK0SZ	B44	23	Hari TX 80/1, HB+mfd., 900mW
DK3UZ	CH		
DK7QB	B24	8	HB 80m-TX (QRP-Classics, p66) 40mW
DL1JGA	B30	5	"OX0" + Mini-PA, 2W
DL2YBF	B34	10	Pixie (QRP-Report Winter '98), 1.5W at 20V
DL6TY	A71	23	80m QRP-TRX, 9 trans., own design
DL7FZ	B14	27	VF0-PA (RV12P2000-RL12P10), 4.4W
DL7GW	B21	2	Pixie (TX only)
DL8GN	B18	5	VX0-PA(VN10KM), 1.2W
DL90E	B13	5	ECO-solo (EF80) (Steinhauser RPB 31/32, 1965)
DL9QM	B44	12	Super-CO (ECH11) - PA (AL4)
DM3XI	B35	24	VF0-BU/BA-PA, 4 trans.
G3DNF	B35	14	CO-BA-PA (3 trans.)
LZ1IQ	B46	3	HB TX, based ARRL-Handbook '95 & QST 11/94
OK1DXK	B16	7	HB CO-PA (BSY34), ~2W
OK1DZD	A99	7	STX(GM30XX, 23 comp.); RX: Reg. "blooper"
OK2BMA	B18	12	CO-solo (KSY34), 100mW
SM6FPC	A88	18	HB TRX "ugly design", "just for this test"

73/2 es cu next weekend in 8th OQRP-Contest!

"Hal", Hartmut, DJ7ST

(mailing done by df2ok)

Date: Tue, 27 Jun 2000 19:43:07 -0700
From: "JC Smith" <jc-smith@worldnet.att.net>
To: <w4dxv@attglobal.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [73615] Re: Antenna Launchers
Message-ID: <01dc01bfe0aa\$9d702da0\$be66480c@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Doug,

I rarely get hung up, and still have the same lead ball I was using a year ago. The trick is to keep the knots clean and pull up carefully so the ball doesn't whip around a branch if you have to pull it back and try again. I've tried the bucket and heavier line and it works ok but is MUCH harder to rewind, won't go nearly as high, and takes up a lot more space in my camper. It's also more likely to tangle up when unreeling. For backpacking I use 15 lb. line and just tie it onto a rock and heave it (the trees don't grow very tall above 10,000 ft.). Then I pull the antenna up directly with the 15 lb. line instead of the intermediate step of using the 200 # Kevlar. I wouldn't try to pull an antenna up directly with the 8# line but the 15# works ok if you are careful and using a light weight backpacking antenna.

72 - JC,k0hps@amsat.org

----- Original Message -----

From: Doug Person <w4dxv@attglobal.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Tuesday, June 27, 2000 11:25 AM
Subject: Re: Antenna Launchers

> 8 lb. is kinda light. I use 30 lb.. Instead of a reel I use a bucket. I
> pull enough line of the spool to do the job and then lower it slowly into
> the bucket. I use a 1 to 1.5 oz fishing weight. The 30 lb. line won't
> break if it gets caught in a branch - which happens often. I've put up
> perhaps 20 antennas for myself and others with the ole wrist rocket and a
> bucket. Works every time.

>

> Doug -- W4DXV

>

> -----Original Message-----

> From: JC Smith <jc-smith@worldnet.att.net>

> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Date: Tuesday, June 27, 2000 2:09 PM
> Subject: Re: Antenna Launchers
>
>
> >Hi Lee,
> >
> >If you are worried about the slingshot being illegal, forget about the
spud
> >gun. The gun control nuts will have the BATF after you in no time!
> >Seriously though, your best bet is the slingshot (Wrist Rocket type) with
a
> >spin casting reel and about 8 pound line. For a weight I like to use 50
> >caliber lead balls (available from many catalogs and any sporting goods
> >store that carries black powder gear). Drill a small hole through the
> >center. Make a loop (1.5" or so) in the end of the line. Stick the loop
> >through the hole and over the ball. Pull tight. After you shoot it over
> >the branch unloop the ball and use the loop to connect a heavier line (I
> >like the 200# Kevlar line from Radio Works) which you pull over the
branch
> >and then use to raise the antenna. Fishing sinkers work but seem a
little
> >more likely to become hooked on something in the tree. Same thing with
> >swivel snaps on the end of the line. The ball and loop are about a clean
> as
> >you can get it and still have it easy to unhook for pulling the line up.
> In
> >all cases, keep these connections as clean as you can. A little tape,
> >wrapped tightly around loose ends, can help in some cases. Try to use a
> >"low profile" knot. I use a line splice knot through the loop (sort of
> like
> >a square knot, but better for lines of different diameters).
> >
> >You can go 100'+ with one of these but if it's windy it is hard to be
> >accurate at that height. I use mine all the time and all over the
country.
> >Only time I ever had a problem was in Grover Hot Springs State Park in
the
> >Sierras. I had just put up my antenna and was sitting down to my
NorCal-40
> >on the picnic bench when the ranger pulled up and said I had been
reported
> >for shooting birds with a slingshot. I showed him my "weapon" and rig
and
> >we had a good laugh. Then he stuck around to observe the first qso.
> >
> >As with any projectile, be sure you know what is down range from you.
> >

> >72 - JC,k0hps@amsat.org
> >
> >----- Original Message -----
> >From: Lee Hopper <leehop@uswest.net>
> >To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> >Sent: Tuesday, June 27, 2000 8:32 AM
> >Subject: Antenna Launchers
> >
> >
> >> Greetings all -
> >>
> >> I'd like your advice before I buy a launcher.
> >>
> >> Seems the bow & arrow work well, but may be illegal in some places
> >(cities, for
> >> instance).
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> >> Ditto the slingshot.
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> >> The gentle spinning reel seems best, but can you get it up as far? I'd
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> >far up?
> >> Will a very simple setup work (low-cost eqpt)?
> >>
> >> Someone mentioned a spud gun a long time ago - anybody have info on
that?
> >Are
> >> they a bit dangerous, like a mortar?
> >>
> >> Tnx -
> >>
> >> Lee Hopper, KD7CTF
> >> Portland, OR
> >
> >
>
>

Date: Tue, 27 Jun 2000 15:18:49 -0500
From: "Lynn Geitgey" <Lgeitgey@kumc.edu>
To: <qrp-l@Lehigh.EDU>, <BBradfield@spectrapoint.com>
Subject: [73616] Re: Worst Call Sign
Message-ID: <s958c5e3.042@gwdomain.kumc.edu>
Mime-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

Hi All...

My first call was WN6DWW. I thought that one was a Mouthful - or Fistful =
as the case may be.

>>> "Bradfield, Brad V." <BBradfield@spectrapoint.com> 06/27/00 08:44AM =
>>>

Good morning Tom - -

As you said, anything with a K on the end is murder. =20

Another example that is not an amateur call, but still a mouthful, is one
from my previous life in broadcasting. A friend I worked with once went =
to
work for a station in Florida (Gainesville??) whose call letters were =
WUWU.

Now say that one a few times without getting tongue twisted.

72 es 73,

Brad, W5CGH

=3D=
=3D=
=3D=3D

Brad Bradfield, PE
(ex WB=D8CGH)

W5CGH

Test Staff Engineer
SpectraPoint Wireless LLC

Date: Wed, 28 Jun 2000 16:28:41 -0700
From: Vince Werber <ka1iic@ime.net>
To: jeverhar@mail.cse.1-3com.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [73617] Re: Worst Call Sign (OT)
Message-ID: <395A8A29.38FA@ime.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Everhart, Joseph @ CSE wrote:

>
> Group,
>
> Gotta chime in here.
>
> I began with WV2MES then went to WA2MES. *No* good phonetics for that!
> My buddies called me either "mess" or "malicious egg smasher." Yuck!
>

I kept the same call that was issued to me as a novice, KA1IIC, there have been many 'interesting' phonetics given to my by other hams... None that I would use on the air :-)

Not a bad cw call... at least I like it!

72
Vince
ka1iic
aat1ai

Date: Tue, 27 Jun 2000 15:25:13 -0500
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [73618] RE: Worst Call Sign
Message-ID: <000001bfe075\$cd147a50\$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My great uncle had the callsign 5HS. Nice on CW too.

Date: Tue, 27 Jun 2000 16:30:42 -0400
From: "Victor Blackwell" <victor@brecnet.com>
To: <jc-smith@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [73619] Re: Antenna Launchers
Message-ID: <004a01bfe076\$917fd560\$5e5730d1@victor>
MIME-Version: 1.0

To: qrp-1@lehigh.edu
Subject: [73621] Vertical Dipole Question
Message-ID: <fb.79d3c37.268a70aa@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

A post mentioned the vertical dipole. I have a few questions:

1. Can a 1/4 wave 20M vertical dipole be used effectively on say 40 and 15M (with tuner)? How about WARC bands?
2. If coax fed how important is the separation of vertical run of coax which is parallel to the bottom half of the dipole? If it needs to be run out at 90 degrees, how far before the vertical drop of the line? Couple of feet?
3. Other than lobe pattern, any comments about bisquare vs vertical dipole here?

The reason is for possible use with the DK9SQ MAST....alan KB7MB

Date: Tue, 27 Jun 2000 17:13:46 -0400
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.edu>
Subject: [73622] Vote for July QST cover plaque
Message-ID: <125490A005E3D3118C9C00805FC743CC3E1F1C@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hi fellow QRPers. Seeing as the July issue had a few articles of interest to QRPers, I wanted to remind you to vote for the best article for the QST cover plaque.

See <http://www.arrl.org/members-only/qstvote.html>.

73,
Ed Hare, W1RFI
ARRL Laboratory Supervisor
225 Main St
Newington, CT 06111
Tel: 860-594-0318
FAX: 860-594-0259
Internet: w1rfi@arrl.org
ARRL Web: <http://www.arrl.org>
ARRL Technical Information Service: <http://www.arrl.org/tis/>

Date: Tue, 27 Jun 2000 16:42:16 -0500
From: "George T. Baker" <w5yr@att.net>
To: wb5rue@stic.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [73623] Re: Worst Call Sign
Message-ID: <39591FB8.6DB86B79@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A college friend was assigned W5HSH in the early 50's - I don't believe he even tried to renew the call.

72/73, George
Fairview, TX 30 mi NE Dallas in Collin county
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

"Kevin Muenzler, WB5RUE" wrote:
>
> My great uncle had the callsign 5HS. Nice on CW too.

Date: Tue, 27 Jun 2000 17:48:23 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [73624] Vertical element on SLV
Message-ID: <cc.68209df.268a7b27@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

If I take a piece of lightweight 300-tv wire and solder wires together at top and bottom and cut one of the wires at 13 ft from the top, will that radiate as a 33 ft wire?

Alan KB7MBI

Date: Tue, 27 Jun 2000 17:54:54 -0400

From: hattonte@gdls.com
To: qrp-1@Lehigh.EDU
Subject: [73625] re: Lightning destroys Field Day QTH
Message-ID: <0F2D55EE45.F0C95BD6-0N8525690B.00783947@gdls.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Now THAT was very well said, Rick

de Terry W1QF

SNIP

"Jury rigged another antenna and got back on the air. Got bored communicating with computers, so went up around 7.110 and found a lot of lonely QRS ops.

One exchange took six minutes! But these were real humans -- no memory boxes and keyboard gadgets -- just sweaty fingers and a key. Had fun and glad to be alive to tell about it.

72/73

Rick W9QZ"

Date: Tue, 27 Jun 2000 10:26:21 -0700
From: Bruce Grubbs <n7ceeqrp@earthlink.net>
To: drcase@iastate.edu, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [73626] Re: QRP Lights
Message-ID: <4.3.2.7.0.20000627102211.00b200d8@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

That's Whiterook Products. (<http://www.west.net/~wpc/home.html>) I have two of the 5 LED lights with switches, one for the rig and one for the scratchpad. They work very well, plenty bright enough to see the rig and the scratchpad, and they draw so little current the battery doesn't know they're there. And they don't attract nearly as many bugs as the florescent lantern I used to use.

Bruce N7CEE

Date: Tue, 27 Jun 2000 14:23:26 -0800
From: Anthony Felino <anthony@pacinfosb.com>
To: qrp-l@Lehigh.EDU
Subject: [73627] cheap
Message-ID: <Chameleon.962144349.anthony@anthony-400>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=ISO-8859-1

"Yes, IMHO amateur radio has over the past 20 years become a rich mans hobby."

You've got to be kidding! I have just done a little "tour" through the 1915-1929 QST CDRom (researching regens) and I was struck by the prices that these guys were willing to pay for one vacuum tube, or a variable capacitor. Each part represented a real investment. They may have paid \$3 for a tube. This is probably about the equivalent of \$40 or so in today's dollars, where we can buy an MPF102 for a buck (and this is a gouge at RS.) Wire and parts are all over the place, we have swap meets and the internet for finding parts. Old rigs are really cheap and still work fine. Even new rigs are a tremendous bargain when you compare them to the prices of earlier rigs.

A receiver from a 1928 edition of QST can be built much more cheaply and provide better performance than back then. It is true that there are many more affluent people and much more complex rigs now than there were 20 years ago, but you can talk to those \$3000 rig/\$5000 tower stations with \$10 worth of parts from RS and \$20 worth of wire. That 1928 RX will do fine for most operating today. Don't get me wrong, that radio will take two hands to operate and will fold when there are a bunch of big signals on. You may not be competitive in contests, but that is a specialized activity and you could spend your whole ham life having fun and never operating a contest. Or you could consider it a challenge.

One of my favorite subhobbies is operating cheap, and judging by what I hear on the air, a lot of other guys are into this too. I think that is part of the spirit of QRP. There is an article in this month's QST showing a chart of antenna size versus fun. I think this is a real turnoff to someone just entering the hobby. The chart shows a full-size dipole at 30ft as being the level at which fun starts. Fewer and fewer hams will ever

be able to put up even such a simple antenna. Does this mean they can't have much fun?

My experience has been one of having fun with much worse antennas than this. That is the magic of radio. It's amazing that you can communicate at all with simple rigs and wire antennas. You can only talk so far away on this planet, and a cheap rig and a cheap antenna will do that. Is the guy that can do this a greater portion of the time really having more fun?

This is a golden age of homebrewing, of cheapness, of variety, and of fun in this hobby.
Enjoy it.

73, WN6Q

Anthony Felino, Pacific Information Design
email: anthony@pacinfosb.com
telephone: (805) 730 1565, x25

Date: Tue, 27 Jun 2000 15:58:51 -0700
From: "K7FD" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [73628] PW-1 MODS for mobile use
Message-ID: <002f01bfe08b\$43523440\$a78c80a7@lincoln.k12.or.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have taken my portable PW-1 and outfitted it for mobile use. I used parts on hand, which included a Hustler 22" base w/ a 2" Valor quick disconnect and a HamStick 4 foot whip.

I have since switched out the HamStick whip with a very heavy duty 8 foot (cut down to 4 foot) Radio Shack stainless steel whip w/ 3/8" threads.

The PW-1 'homebrewed' mobile is extremely husky but can easily be disassembled and re-assembled with the original one foot sections for portable use.

I will be posting pictures of the mobile install on the web later this evening and will drop a message to all when done...

73 John K7FD

End of QRP-L Digest 1865

